Draft

CITY OF COVINA PUBLIC STORAGE PROJECT

Initial Study/Mitigated Negative Declaration

Prepared for
City of Covina

June 2022

ESA

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Initial Study/Mitigated Negative Declaration

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SECTION 1
Introduction

The City of Covina (City) has determined the Public Storage Project (the Project or Public Storage or Public Storage Project) is subject to the guidelines and regulations of the California Environmental Quality Act (CEQA). This Initial Study/Mitigated Negative Declaration (IS/MND) addresses the indirect, direct, and cumulative environmental impacts associated with the Project. The Project would include the demolition of the existing 55,321 square-foot (SF) 2-story commercial building (i.e., electronic manufacturing) and the development of a 141,984 SF 3-story public self-storage building (up to 30 feet and 7 inches in height) within a 2.70-acre site. Project features would include a partial basement, a rental office, a temporary monopole cell tower, associated secured surface parking areas, pedestrian walkways, and landscaping.

1.1 Statutory Authority and Requirements

In accordance with the CEQA (Public Resources Code Sections 2100–21177) and pursuant to California Code of Regulations (CCR) Title 14, Section 15063, the City, acting in the capacity of Lead Agency, is required to undertake the preparation of an Initial Study to determine if the Project would have a significant environmental impact. If the Lead Agency finds that there is no evidence that the Project, either as proposed or as modified to include the mitigation measures identified in the Initial Study, may cause a significant effect on the environment, the Lead Agency must find that the Project would not have a significant effect on the environment and must prepare a Negative Declaration (ND) or Mitigated Negative Declaration (MND) for that Project. Such determination can be made only if, "there is no substantial evidence in light of the whole record before the Lead Agency" that such impacts may occur (Public Resources Code Section 21080(c)).

The environmental documentation is intended as a document undertaken to provide an environmental basis for discretionary actions required to implement the Project. The environmental documentation and supporting analysis is subject to a public review period. During this review, public agency comments on the document should be addressed to the City. Following review of any comments received, the City will consider these comments as part of the Project's environmental review and include them with the Initial Study documentation for consideration by the Planning Commission and City Council of the City.

The preliminary determination by the City is that the preparation of an MND could be adequate to address the potential environmental issues associated with construction and operation of the Project. Therefore, this document is an IS/MND. If the evaluation determines that a significant

impact cannot be reduce to a less than significant level, then an environmental impact report would be required.

1.2 Purpose

The City has prepared this Draft IS/MND to provide the public and responsible agencies with information about the potential environmental impacts associated with implementation of the Public Storage Project. This Draft IS/MND includes project-level analysis of the potential effects associated with the Project.

This Draft IS/MND was prepared in compliance with the content requirements in Section 15071 of the CEQA Guidelines of 1970 (as amended) and CCR Title 14, Division 6, Chapter 3. In accordance with Section 15071, this Draft IS/MND includes a description of the Project, the location of the Project, a proposed finding that the Project will not have a significant effect on the environment, an Initial Study that documents reasons to support the finding, and mitigation measures to avoid potentially significant impacts.

SECTION 2
Project Description

2.1 Project Location

Regionally, the Public Storage Project is located in the City within the San Gabriel Valley of Los Angeles County (County); refer to **Figure 1**, *Regional Location Map.* The surrounding jurisdictions include the cities of Duarte, Azusa, and Glendora to the north, San Dimas to the east, West Covina to the south, and Irwindale and Baldwin Park to the west and pockets of Los Angeles County Unincorporated Areas adjacent and within City limits. Locally, the Project is located at 1330 East Cypress Street (Assessor's Parcel Number [APN]: 8427-001-006) (Project Site) within the northeastern portion of the City; refer to **Figure 2**, *Local Vicinity Map.* Regional access to the Project Site is via Interstate 210 (I-210) to the north, Interstate 10 (I-10) to the south, and South Azusa Avenue/California State Route 39 (SR-39) to the east. Local access to the Project Site is from East Cypress Street immediately to the north and Glendora Avenue to the west.

2.2 Surrounding Land Uses

Land uses immediately adjacent to the Project consist of the following:

North: East Cypress Street, single-family residences, and Charter Oak High School.

East: Commercial uses (Ultra High End Audio, Sunny Components Inc., Grey Wash Gallery Tattoo, Cypress Animal Hospital) with residential uses beyond.

South: Southern Pacific Railroad and single-family residences.

West: Covina Auto Repair & Smog Services, HG Covina Market, Senor Baja Mexican Food, Domino's Pizza, El Fino Mexican Food, Fire Bird Liquor Store, and Glendora Avenue.

2.3 Existing Site Conditions

The Project Site is currently improved with an approximately 55,321 SF 2-story commercial building occupied by "TT Electronics Power Solutions" which is used for electronics manufacturing. The remainder of the Project Site consists of asphalt-paved surface parking lots and ornamental landscaped areas at the front of the Site along East Cypress Street, the eastern portion of the Site, and the western portion of the Site. Existing ingress/egress to the Project Site is available via three driveways located along the eastern, central, and western portions of the Project Site along East Cypress Street.



SOURCE: ESRI

City of Covina Public Storage Project

Figure 1
Regional Location Map

ESA



SOURCE: Mapbox, 2021

City of Covina Public Storage Project

Figure 2
Local Vicinity Map

ESA

2.4 Existing General Plan/Zoning Designations

The existing general plan designation for the Project Site is General Industrial (GI). Permitted uses in the General Industrial (GI) land use designation include manufacturing, processing, assembly, warehousing, and related activities plus ancillary administrative offices that comply with applicable use, operation, and other provisions of the City's Zoning Ordinance, Building Code, Fire Code, and other related City codes. Additionally, permitted uses include, but are not limited to, animal hospitals, automotive repair shops, very limited retail functions, gas stations, self-storage outlets, and parking lots.

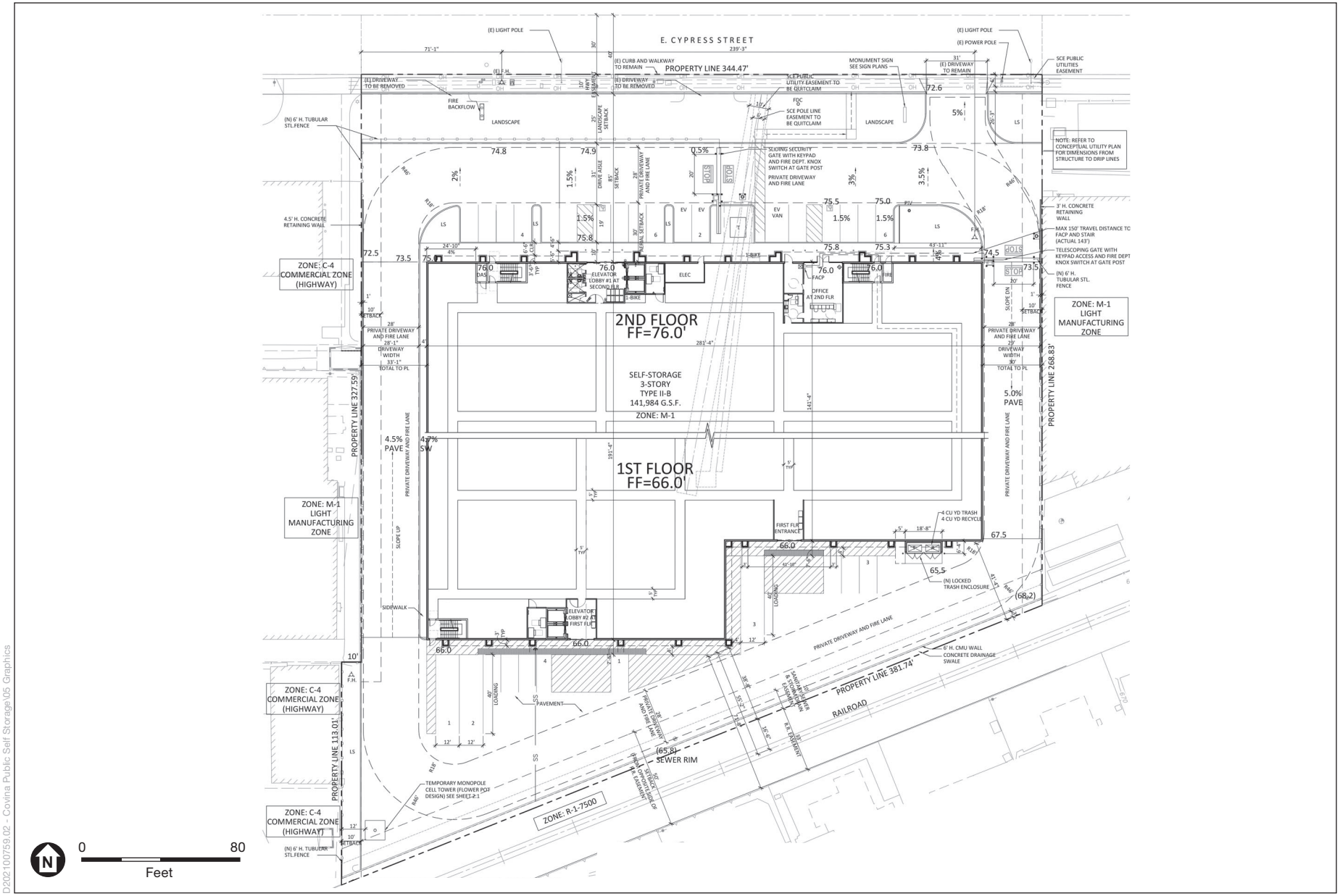
The zoning designation for the Project Site is M-1 (Light Manufacturing). The M-1 zoning designation is intended to provide for the development of industrial uses which include fabrication, manufacturing, assembly or processing of materials that are in already processed form.

2.5 Project Features

The Project would include the demolition of the existing 55,321 SF 2-story commercial building (i.e., electronic manufacturing) and the development of a 141,984 SF 3-story public self-storage building (up to 30 feet and 7 inches in height) within a 2.70-acre site. Project features would include a partial basement, a rental office, a temporary monopole cell tower, associated secured surface parking areas, pedestrian walkways, and landscaping; refer to **Figure 3**, *Conceptual Site Plan*. Level one (1st floor) would include up to 47,328 SF of storage space, circulation corridors, staircases, and elevators with an associated elevator lobby. Level two (2nd floor) would include up to 46,428 SF of storage space, 900 SF of rental office use including the 148 SF employee break room, circulation corridors, staircases, and elevators with an associated elevator lobby. The employee break room includes a sink, microwave, under counter refrigerator, and a closet for technology equipment. Level three (3rd floor) would include up to 47,328 SF of storage space, circulation corridors, staircases, and elevators with an associated elevator lobby. The temporary monopole cell tower positioned on wheels is situated at the temporary location during construction in place of the monopole cell tower that is currently located on the existing building roof. Upon completion of building construction, the temporary monopole cell tower will be removed and a new, permanent cell tower will be located on the roof. The new, permanent cell tower is not part of this entitlement and will be obtained by T-Mobile.

2.5.1 Building Heights and Elevations

The Project is comprised of a 141,984 SF 3-story public self-storage building (up to 30 feet and 7 inches in height) and would not exceed the maximum allowed height of 75 feet for the Site; refer to **Figure 4**, *Concept Elevations* and **Figure 5**, *Building/Site Elevations*. The temporary monopole cell tower up to approximately 55 feet would be located within the southwestern portion of the Project Site; refer to **Figure 6**, *Temporary Monopole Detail.* Materials and finishes for the proposed building include exterior plaster with a combination of moth gray, winter mood, roller coaster, and tornado paints, precision and split face concrete masonry units (CMU), decorative stone, clear glazing, spandrel glazing, foam trim, decorative metal kickers and shutters, and metal louvers awnings; refer to Figures 4 and 5.



SOURCE: KSP Studio, 2022

City of Covina Public Storage Project

Figure 3
Conceptual Site Plan

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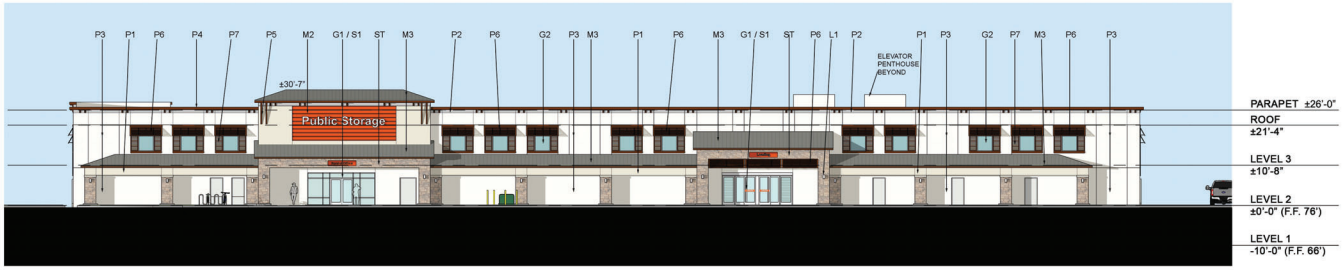
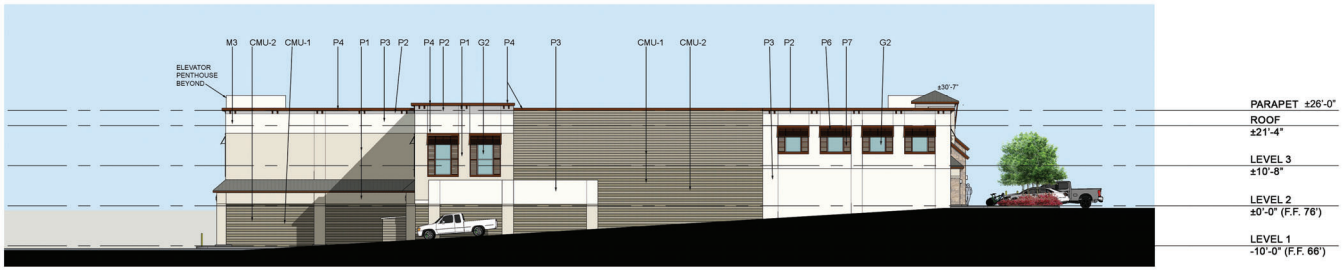


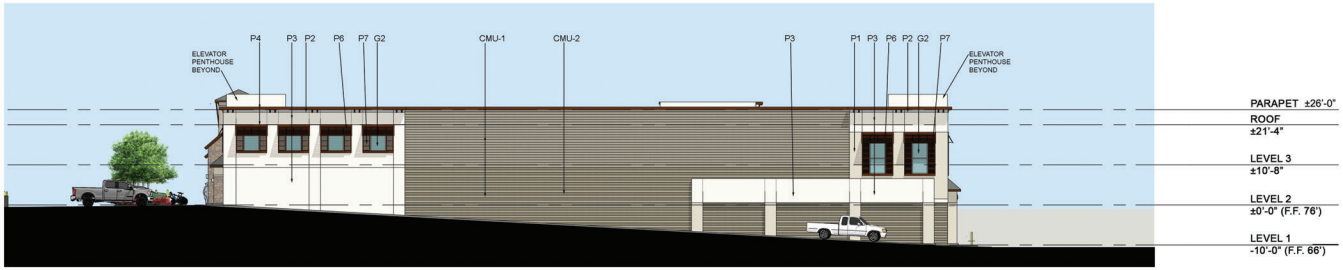
1. NORTH ELEVATION - E. CYPRESS STREET



2. SOUTH ELEVATION

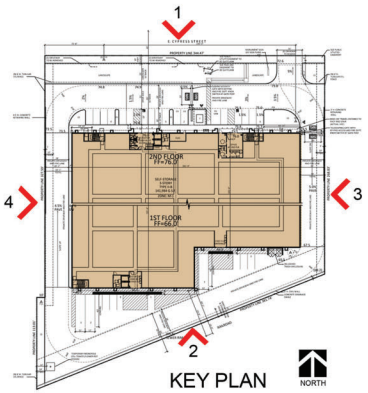


3. EAST ELEVATION



4. WEST ELEVATION

	MATERIALS & FINISHES
P1	EXTERIOR PLASTER, PAINTED MOTH GRAY PPG14-29
P2	EXTERIOR PLASTER, TORNADO PPG1009-2
P3	EXTERIOR PLASTER, PAINTED WINTER MOOD PPG14-16
P4	FOAM TRIM W/ EXTERIOR PLASTER, PAINTED ROLLER COASTER PPG1008-5
P5	DECORATIVE METAL KICKERS, PAINTED ROLLER COASTER PPG1008-5
P6	METAL LOUVERS AWNING, PAINTED ROLLER COASTER PPG1008-5
P7	DECORATIVE SHUTTERS, PAINTED ROLLER COASTER PPG1008-5
CMU-1	CMU BLOCK-PRECISION, PLACER CREEK BY ANGELUS BLOCK
CMU-2	CMU BLOCK-SPLIT FACE, PLACER CREEK BY ANGELUS BLOCK
G1	CLEAR GLAZING
G2	SPANDREL GLAZING
L1	WALL LIGHTING
M1	NOT USED
M2	MORIN METAL PANEL, PS ORANGE
M3	STANDING SEAM METAL ROOF
S1	CLEAR ANODIZED ALUMINUM STOREFRONT SYSTEM
ST	CORONADO STONE - IDAHO DRYSTACK "ANTIQUE BUFF"



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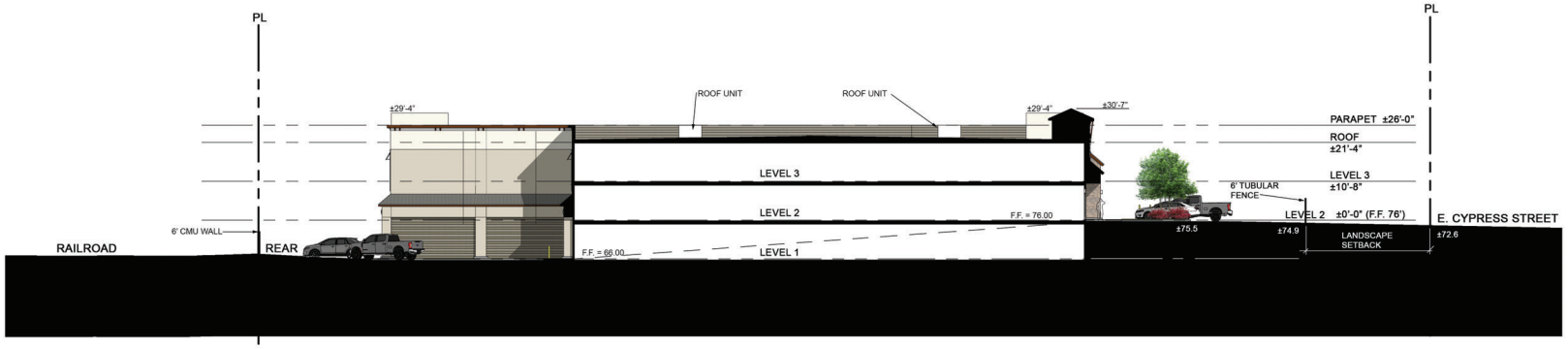
SOURCE: KPS Studio, 2022

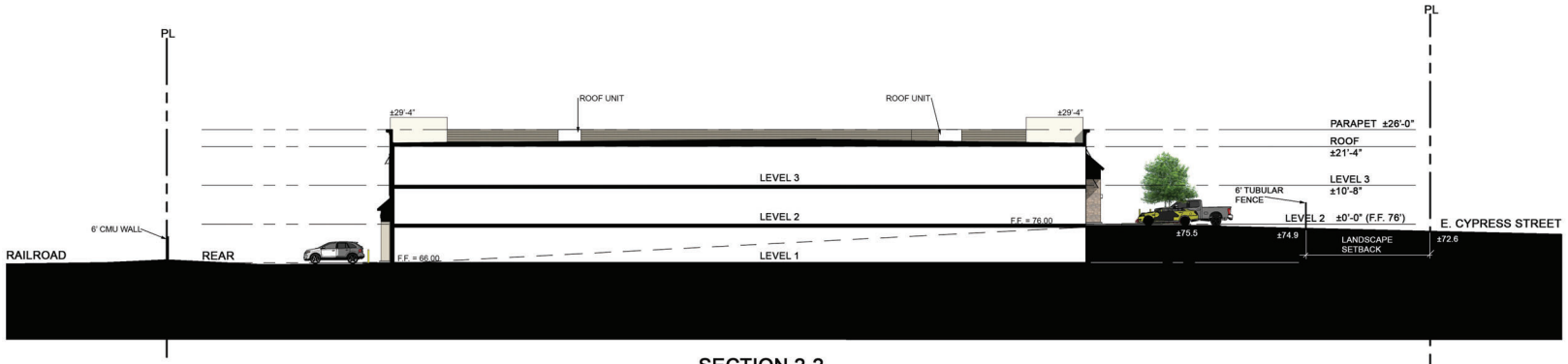
City of Covina Public Storage Project

Figure 4
Concept Elevations

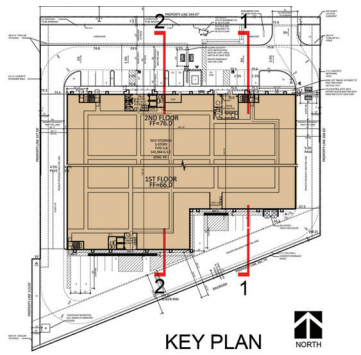
ESA



SECTION 1-1



SECTION 2-2



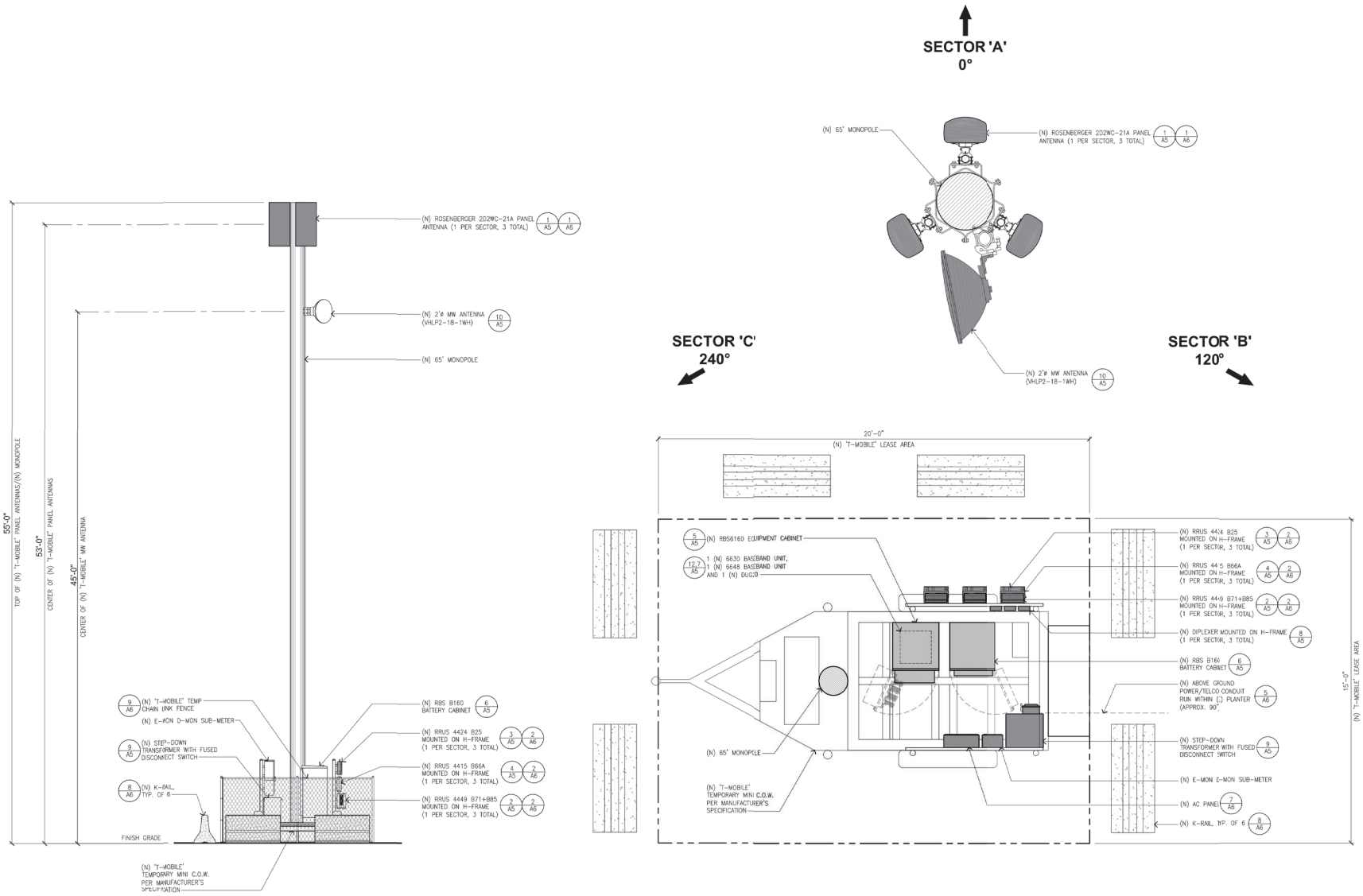
D2021100759.02 - Covina Public Self Storage\05 Graphics

SOURCE: KPS Studio, 2021

City of Covina Public Storage Project

Figure 5
Building/Site Elevations

ESA



SOURCE: KPS Studio, 2022

City of Covina Public Storage Project

Figure 6
Temporary Monopole Detail

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2.5.2 Parking and Access

The number of parking spaces required per the City's Zoning Ordinance is one vehicular space for the rental office and two vehicular spaces for the estimated two employees of Public Storage for a total of three vehicular spaces. Parking provided by the Project would include 21 standard vehicular spaces, 2 Americans with Disabilities Act (ADA) accessible vehicular spaces, and 3 electric vehicle/clean air vehicle (EV/CAV) vehicular spaces for a total of 26 vehicular spaces; refer to Figure 4. Three loading spaces are required and three loading spaces would be provided behind the proposed building. One short term bicycle parking space and one long term bicycle parking space would be provided.

Existing ingress/egress to the Project Site is available via three driveways located along East Cypress Street. Two of the driveways would be removed with the most easterly driveway to remain and provide direct vehicular access to Public Storage from East Cypress Street. Six parking spaces are located adjacent to the rental office outside the secured area. Public Storage would use an access system that requires customers and employees entering the secured area of the Project Site to enter a unique access code at both the sliding security entry gate and the telescoping entry gate. A private driveway and fire lane would be located on both sides of building along the eastern and western site boundaries. Pedestrian access would be provided from at-grade sidewalks along East Cypress Street. Refer to Figure 4 for locations of the Project driveway and security gates.

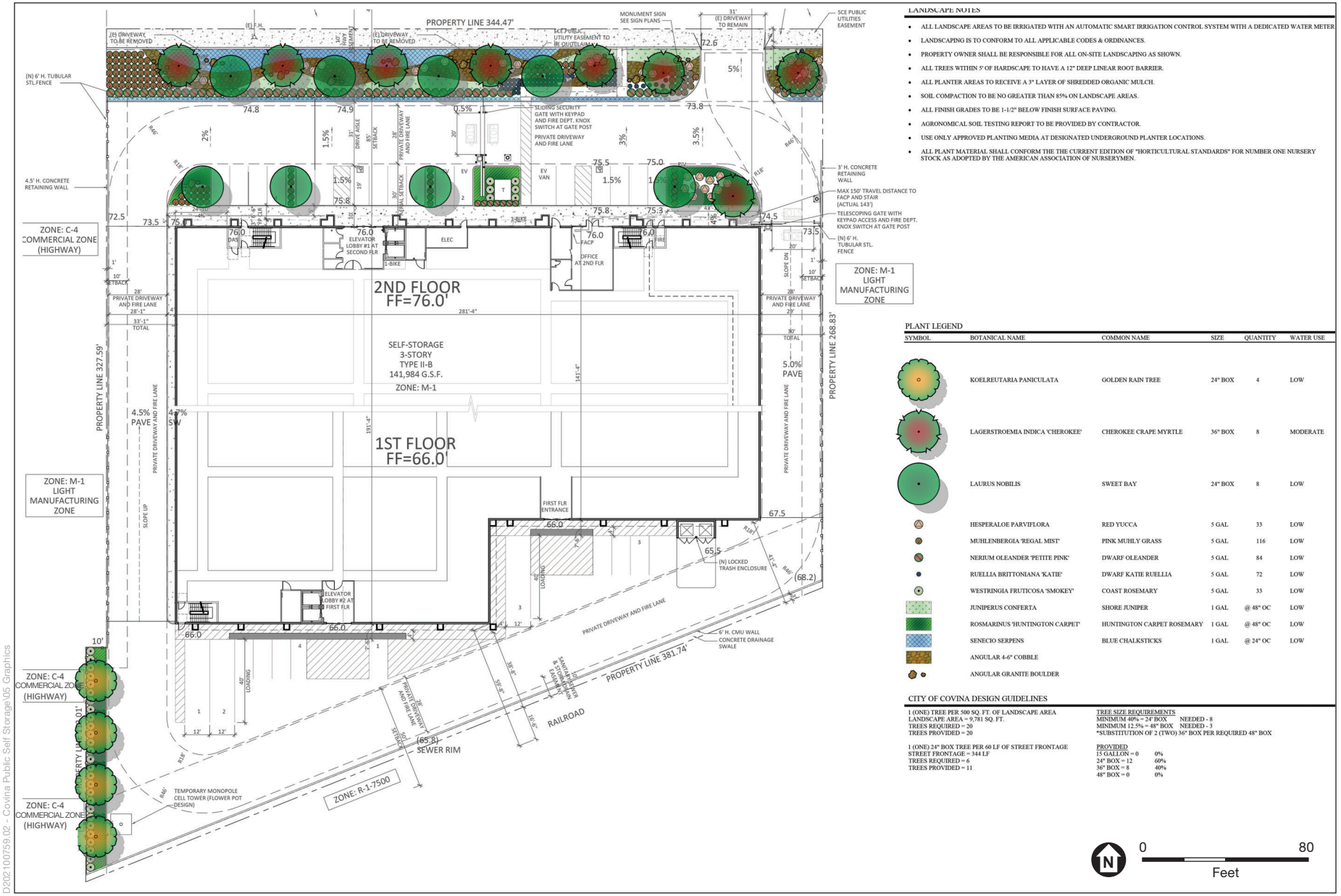
2.5.3 Landscaping

Project implementation would require the removal of 16 trees (9 Weeping Figs, 6 Southern Magnolias, and 1 Fan Palm). No oak trees are located within the Project Site. Per the City's Design Guidelines, one tree per 500 SF of landscaped area is required, resulting in 20 required trees. One 24-inch box tree per 60 linear feet of street frontage is required resulting in 6 required trees. The Project would provide 20 trees in total, which would include 11 trees to be located within the street frontage. Overall, the Project would provide 4 Golden Rain Trees, 8 Cherokee Crape Myrtle Trees, and 8 Sweet Bay Trees. Refer to **Figure 7**, *Conceptual Landscape Plan* for the proposed plant legend and location of the proposed trees, planter areas, and landscaping.

2.5.4 Signage and Lighting

Site signage would be used for Project identity, building identification, rental office identification, pedestrian wayfinding, loading/unloading signage, and security markings. Signage would be designed and located to be compatible with the architecture and landscaping of the Project. No off-site signage would be proposed. All signage would be provided consistent with the City's Zoning Ordinance.

Parking lots, entry-ways, and pedestrian common areas would be well lit for security. Lensed light-emitting diode (LED) linear lights would be integrated into the architectural canopies to provide appropriate light levels. Fixtures would be designed to prevent light trespass on adjacent properties. Surface mounted lights on the building and lot lights will project down and meet all codes related to light pollution.



LANDSCAPE NOTES

- ALL LANDSCAPE AREAS TO BE IRRIGATED WITH AN AUTOMATIC SMART IRRIGATION CONTROL SYSTEM WITH A DEDICATED WATER METER
- LANDSCAPING IS TO CONFORM TO ALL APPLICABLE CODES & ORDINANCES.
- PROPERTY OWNER SHALL BE RESPONSIBLE FOR ALL ON-SITE LANDSCAPING AS SHOWN.
- ALL TREES WITHIN 5' OF HARDSCAPE TO HAVE A 12" DEEP LINEAR ROOT BARRIER.
- ALL PLANTER AREAS TO RECEIVE A 3" LAYER OF SHREDDED ORGANIC MULCH.
- SOIL COMPACTION TO BE NO GREATER THAN 85% ON LANDSCAPE AREAS.
- ALL FINISH GRADES TO BE 1-1/2" BELOW FINISH SURFACE PAVING.
- AGRONOMICAL SOIL TESTING REPORT TO BE PROVIDED BY CONTRACTOR.
- USE ONLY APPROVED PLANTING MEDIA AT DESIGNATED UNDERGROUND PLANTER LOCATIONS.
- ALL PLANT MATERIAL SHALL CONFORM THE THE CURRENT EDITION OF "HORTICULTURAL STANDARDS" FOR NUMBER ONE NURSERY STOCK AS ADOPTED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.

PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	WATER USE
	KOELREUTARIA PANICULATA	GOLDEN RAIN TREE	24" BOX	4	LOW
	LAGERSTROEMIA INDICA 'CHEROKEE'	CHEROKEE CRAPE MYRTLE	36" BOX	8	MODERATE
	LAURUS NOBILIS	SWEET BAY	24" BOX	8	LOW
	HESPERALOE PARVIFLORA	RED YUCCA	5 GAL	33	LOW
	MUHLENBERGIA 'REGAL MIST'	PINK MUHLY GRASS	5 GAL	116	LOW
	NERIUM OLEANDER 'PETITE PINK'	DWARF OLEANDER	5 GAL	84	LOW
	RUELLIA BRITTONIANA 'KATIE'	DWARF KATIE RUELLIA	5 GAL	72	LOW
	WESTRINGIA FRUTICOSA 'SMOKEY'	COAST ROSEMARY	5 GAL	33	LOW
	JUNIPERUS CONFERTA	SHORE JUNIPER	1 GAL	@ 48" OC	LOW
	ROSMARINUS 'HUNTINGTON CARPET'	HUNTINGTON CARPET ROSEMARY	1 GAL	@ 48" OC	LOW
	SENECIO SERPENS	BLUE CHALKSTICKS	1 GAL	@ 24" OC	LOW
	ANGULAR 4-6" COBBLE				
	ANGULAR GRANITE BOULDER				

CITY OF COVINA DESIGN GUIDELINES

1 (ONE) TREE PER 500 SQ. FT. OF LANDSCAPE AREA
LANDSCAPE AREA = 9,781 SQ. FT.
TREES REQUIRED = 20
TREES PROVIDED = 20

1 (ONE) 24" BOX TREE PER 60 LF OF STREET FRONTAGE
STREET FRONTAGE = 344 LF
TREES REQUIRED = 6
TREES PROVIDED = 11

TREE SIZE REQUIREMENTS
MINIMUM 40% = 24' BOX NEEDED - 8
MINIMUM 12.5% = 48" BOX NEEDED - 3
*SUBSTITUTION OF 2 (TWO) 36" BOX PER REQUIRED 48" BOX

PROVIDED
15 GALLON = 0 0%
24" BOX = 12 60%
36" BOX = 8 40%
48" BOX = 0 0%

N

0 80
Feet

D2021100759.02 - Covina Public Self Storage\05 Graphics

SOURCE: KPS Studio, 2021

City of Covina Public Storage Project

Figure 7
Conceptual Landscape Plan

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2.5.5 Site Security

The Project would incorporate a 24-hour/seven-day video surveillance security system of the parking lots, entry-ways, customer lobbies and pedestrian common areas to ensure the safety of its customers and their belongings. If motion is detected when the facility is closed, an off-site security company will check the video for security issues prior to calling the police or setting off an alarm. If an employee or office manager is present at Public Storage during normal business hours, they will have the necessary knowledge and skill to operate the video surveillance security system to provide the Covina Police Department (CPD) copies of video recordings immediately upon request, if needed. If an employee is not present, a phone number will be displayed to contact personnel that have the necessary knowledge and skill to operate the video surveillance security system to provide the Covina Police Department copies of video recordings upon request.

The Project Site would include a 6-foot high tubular steel fence around the perimeter of the north, east, and west secure portions of the site. A 6-foot high concrete masonry unit (CMU) wall will be located adjacent to the south property line. The access system requires customers and employees entering the secure area to enter a unique access code at both the sliding security entry gate and the telescoping entry gate. An individual access code is also required to enter the customer lobbies and send the elevator to the floor of the customer's storage unit. This security measure limits who can access parking areas and customer lobbies and allows management to review who has entered and exited these areas, if necessary. The Project design would include lighting of parking lots, entry-ways, and pedestrian common areas for site security purposes.

2.5.6 Water/Solid Waste Generation

The negligible estimated water use resulting from Project implementation would be generated from the two single occupancy restrooms, the janitor's closet, the sink included in the employee break room, fire sprinklers, and the drought tolerant landscaping. All landscape areas would be irrigated with an automatic smart irrigation control system with a dedicated water meter. The Project's estimated solid waste would result from the 900 SF of office use. Customers of Public Storage are required to dispose of their own waste off-site and the trash enclosure to be located in the rear of the proposed building in the southeastern portion of the Project Site would be locked.

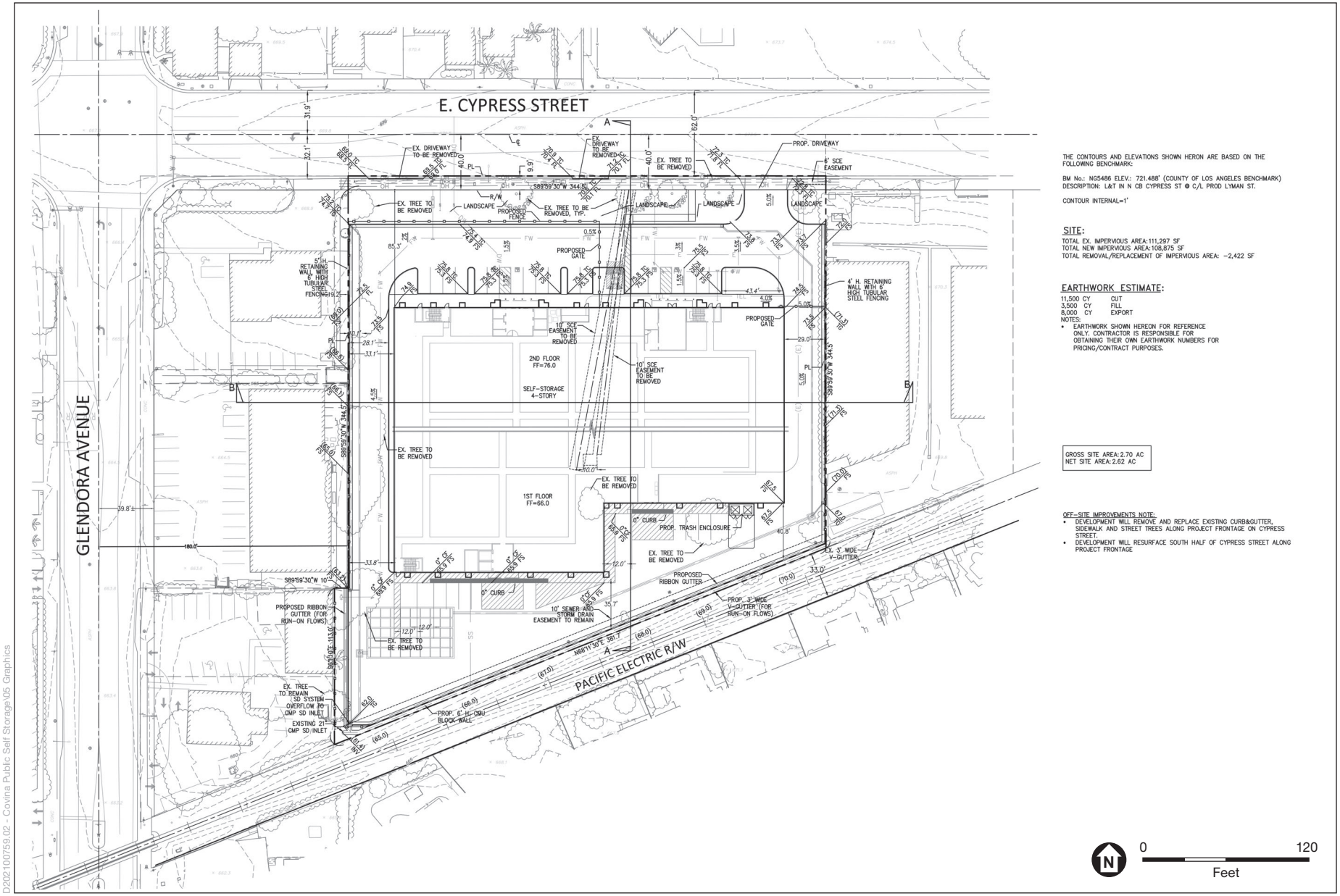
2.6 Construction Activities and Schedule

Project construction would take place for approximately 12 months, from approximately November 2022 to November 2023. In general, construction activities would occur between 7:00 A.M. and 5:00 P.M., Monday through Friday, except on Sundays and federal holidays. Construction on Saturdays would require pre-approval by the City Engineer. Construction of the Project would involve the use of a variety of heavy construction equipment onsite. Large construction equipment would include aerial lifts, backhoes, concrete/industrial saws, excavators, forklifts, graders, haul trucks, pavers, paving equipment, and rough terrain forklifts. Approximately 80 personnel would be used for construction of the Project. Construction phases would include demolition, site preparation, grading/excavation, drainage/utilities/trenching, foundations/concrete pour, building construction, paving, and architectural coatings. Demolition

of the Project would include removal of 55,321 SF of the existing 2-story commercial building and the existing pavement and base materials in the parking lot. The Project would include approximately 11,500 cubic yards of cut and approximately 3,500 cubic yards of fill, resulting in approximately 8,000 cubic yards of soil export; refer to **Figure 8**, *Conceptual Grading Plan*.

2.7 Project Approvals

The City of Covina, as Lead Agency for the Project, has discretionary authority over the Project. In order to implement this Project, the Project would require a grading permit for grading in excess of 5,000 cubic yards and grading that would support a structure is designated as engineering grading. Demolition permits to remove the 55,321 SF of the existing 2-story commercial building and the existing pavement and base materials in the parking lot would be required, as well as a building permit. In addition, the issuance of a Site Plan Review (SPR) 21-160 for site development and a CUP 21-29 would be required for the proposed use of self-storage. Further, implementation of the Project would require Ordinance No. XXXXX for Development Agreement (DA) 22-001, approving and adopting a DA between Public Storage, Inc. and the City of Covina related to a proposed development consisting of an approximate 141,984 SF 3-story public self-storage building on approximately 2.70 acres and the conveyance of $315,000 for City-wide infrastructure improvements for property generally located at 1330 East Cypress Street (APN: 8427-001-006).



D2021100759.02 - Covina Public Self Storage\05 Graphics

SOURCE: DRC Engineering, Inc., 2021

City of Covina Public Storage Project

Figure 8
Conceptual Grading Plan

ESA

SECTION 3
Initial Study/Environmental Checklist

1. Project Title:	City of Covina Public Storage Project
2. Lead Agency Name and Address:	City of Covina, Community Development Department, 125 E. College Street, Covina, CA 91723
3. Contact Person and Phone Number:	Mercenia Lugo, Senior Planner, (626) 384-5450
4. Project Location:	Regionally, the Public Storage Project is located in the City of Covina within the San Gabriel Valley of Los Angeles County. The surrounding jurisdictions include the cities of Duarte, Azusa, and Glendora to the north, San Dimas to the east, West Covina to the south, and Irwindale and Baldwin Park to the west and pockets of Los Angeles County Unincorporated Areas adjacent and within City limits. Locally, the Project is located at 1330 East Cypress Street (APN: 8427-001-006) within the northeastern portion of the City.
5. Project Sponsor's Name and Address:	City of Covina, Community Development Department, 125 E. College Street, Covina, CA 91723
6. General Plan Designation(s):	General Industrial (GI)
7. Zoning:	M-1 (Light Manufacturing)

8. Description of Project:

The Project would include the demolition of the existing 55,321 SF 2-story commercial building (i.e., electronic manufacturing) and the development of a 141,984 SF 3-story public self-storage building (up to 30 feet and 7 inches in height) within a 2.70-acre site. Project features would include a partial basement, a rental office, a temporary monopole cell tower, associated secured surface parking areas, pedestrian walkways, and landscaping.

9. Surrounding Land Uses and Setting.

Land uses immediately adjacent to the Project consist of East Cypress Street, single-family residences, and Charter Oak High School to the north; commercial uses (Ultra High End Audio, Sunny Components Inc., Grey Wash Gallery Tattoo, Cypress Animal Hospital) to the east; and Southern Pacific Railroad and single-family residences to the south; and Covina Auto Repair & Smog Services, HG Covina Market, Senor Baja Mexican Food, Domino's Pizza, El Fino Mexican Food, Fire Bird Liquor Store, and Glendora Avenue to west.

10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement.)

Not applicable.

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

Yes, the City conducted consultation with California Native American tribes pursuant to Assembly Bill (AB) 52 to identify tribal cultural resources in or near the Project Site. The City, sent consultation notification letters via certified mail to Native American groups geographically and culturally affiliated with the Project Site on October 5, 2021. To date, the City has received one response from the Native American groups regarding consultation, the details of which are provided below.

The Gabrieleno Band of Mission Indians-Kizh Nation has corresponded with City staff between October 7 and December 10, 2021. The Gabrieleno Band of Mission Indians-Kizh Nation stated that the Project Site is located within the tribe's traditional ancestral territory and requested formal government-to-government consultation. The Gabrieleno Band of Mission Indians-Kizh Nation provided a map of the Kizh Nation Ancestral Tribal Territory. On November 30, 2022, representatives from the City and the Gabrieleno Band of Mission Indians-Kizh Nation met via a telephone conference. During the call, the Gabrieleno Band of Mission Indians-Kizh Nation provided their knowledge of the Project Site and the nearby village of *Weniinga*, and their concerns about the sensitivity of the Project. The Gabrieleno Band of Mission Indians-Kizh Nation indicated that the Project Site is archaeologically sensitive, but did not identify any known tribal cultural resources (as defined in Public Resources Code Section 21074) within the Project Site. The Tribe recommended monitoring during construction. For further information, please refer to Section XVIII, *Tribal Cultural Resources.*

3.1 Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

☐ Aesthetics	☐ Agriculture and Forestry Resources	☐ Air Quality
☐ Biological Resources	☒ Cultural Resources	☐ Energy
☐ Geology/Soils	☐ Greenhouse Gas Emissions	☒ Hazards & Hazardous Materials
☐ Hydrology/Water Quality	☐ Land Use/Planning	☐ Mineral Resources
☒ Noise	☐ Population/Housing	☐ Public Services
☐ Recreation	☐ Transportation	☒ Tribal Cultural Resources
☐ Utilities/Service Systems	☐ Wildfire	☐ Mandatory Findings of Significance

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial study:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

R. K. C. — 6-28-22

Signature — Date

Signature — Date

3.2 Environmental Checklist

Aesthetics

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
I. AESTHETICS — Except as provided in Public Resources Code Section 21099, would the project:				
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☒	☐
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d) Create a new source of substantial light or glare which would adversely affect daytime or nighttime views in the area?	☐	☐	☒	☐

Discussion

Would the Project:

a) **Have a substantial adverse effect on a scenic vista?**

Less than Significant Impact. Scenic vistas consist of expansive, panoramic views of important, unique, or highly valued visual features that are seen from public viewing areas. This definition combines visual quality with information about view exposure to describe the level of interest or concern that viewers may have for the quality of a particular view or visual setting. A scenic vista can be impacted in two ways: a development project can have visual impacts by either directly diminishing the scenic quality of the vista or by blocking the view corridors or "vista" of the scenic resource. Important factors in determining whether a proposed project would block scenic vistas include the project's proposed height, mass, and location relative to surrounding land uses and travel corridors.

The City's General Plan Natural Resources and Open Space Element does not designate any scenic vistas within the City (Covina, 2000). However, the City is located near the foot of the San Gabriel Mountains, which are considered a prominent visual resource. The Project Site is located within a highly urbanized area of the City predominately developed with residential, commercial, and school uses. The Project Site is currently developed with an approximately 55,321SF 2-story commercial building occupied by "TT Electronics Power Solutions" which is used for electronics manufacturing. The remainder of the Project Site consists of asphalt-paved surface parking lots and ornamental landscaped areas. Intermittent long-range views of the San Gabriel Mountains can be seen from the Project Site in between existing buildings, fencing, and trees from East

Cypress Street, but the majority of these views are obstructed due to the existing structures, trees, and the relatively flat topography of the Project area.

The Project would include the demolition of the existing 55,321 SF 2-story commercial building (i.e., electronic manufacturing) and the development of a 141,984 SF 3-story public self-storage building (up to 30 feet and 7 inches in height) within a 2.70-acre site. The ridgeline of the San Gabriel Mountains is visible when looking north along East Cypress Street. This view is primarily experienced by east and westbound travelers on East Cypress Street; views of the San Gabriel Mountains' ridgeline are not visible when looking through the Project Site under existing conditions. Upon development of the proposed 3-story public self-storage building on the Project Site, the partial view of the San Gabriel Mountains looking north along East Cypress Street would not be affected, as the view is generally limited to the roadway corridor.

The Project would replace an existing building of similar type and massing, thereby not substantially altering the current view along East Cypress Street. Compliance with the City's Municipal Code and restrictions restricting height would ensure that views of scenic resources, including views of the San Gabriel Mountains, would be preserved. As such, the Project would not result in a substantial adverse effect on a scenic vista, and impacts would be less than significant. No mitigation is required.

b) **Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?**

Less than Significant Impact. The Project Site is located in a highly urbanized area of the City predominantly developed with residential, commercial, and school uses. The Project Site is currently developed with a 2-story commercial building, asphalt surface parking lots, and ornamental landscaping and trees. The Project Site is not located in the vicinity of a City or state-designated scenic highway. The nearest officially designated state scenic highway, State Route 2 (SR-2), is located in the San Gabriel Mountains and would not be visible to motorists (Caltrans, 2020). The proposed 3-story public self-storage building would be constructed within the boundaries of the Project Site, which is surrounded by existing development and would not be visible from SR-2 due to intervening urban development, distance, and topography. The Project Site does not contain any rock outcroppings or historical buildings. As the Project is not located in the vicinity of a state scenic highway, no historical buildings would be substantially damaged with implementation of the Project. Vegetation on the Project Site consists of a mix of ornamental landscaping and trees. The Project would require the removal of 16 trees; however, these trees would be replaced and the Project would provide 20 trees in total. The Project would comply with applicable provisions pertaining to the removal and replacement of trees per Chapter 17.83, Tree Preservation, of the City's Municipal Code (Covina, 2022). Overall, based on the above, the Project would not substantially damage scenic resources located within the vicinity of a scenic highway and a less than significant impact would occur. No mitigation is required.

c) **In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the Project is in an urbanized area, would the Project conflict with applicable zoning and other regulations governing scenic quality?**

Less than Significant Impact. The Project Site is located in a highly urbanized areas of the City predominantly developed with residential commercial, and school uses. The Project Site is currently developed with a 2-story commercial building, asphalt surface parking lots, and ornamental landscaping and trees. Construction activities associated with the Project would require the use of construction equipment and storage of materials on-site, thus introducing contrasting features into the visual landscape that affect the visual quality of the Project Site and immediate vicinity. Contrasting features could include demolition materials, excavated areas, stockpiles, and other materials generated and stored on-site during construction. However, adverse effects to visual character associated with Project construction would be temporary.

The Project would include the demolition of the existing 55,321 SF 2-story commercial building (i.e., electronic manufacturing) and the development of a 141,984 SF 3-story public self-storage building (up to 30 feet and 7 inches in height) within a 2.70-acre site. The existing zoning designation for the Project Site is M-1 (Light Manufacturing) which would require the issuance of a CUP for the proposed use of self-storage. The existing general plan designation for the Project Site is General Industrial (GI). Permitted uses in the General Industrial (GI) land use designation include, but are not limited to, very limited retail functions, self-storage outlets, and parking lots. As such, compared to the existing aesthetic conditions and surrounding land uses, including single-family residences, commercial uses, industrial uses, and school uses, the land use density and development intensity on the Project Site would be consistent with the existing visual character. Furthermore, the Project would be subject to review by the City to ensure that design of the Project is consistent will all applicable design requirements, standards, and regulations set forth in the City's Municipal Code. Therefore, impacts related to degradation of existing visual character and quality would be less than significant. No mitigation is required.

d) **Create a new source of substantial light or glare which would adversely affect daytime or nighttime views in the area?**

Less than Significant Impact. The Project Site is located in a highly urbanized area of the City predominantly developed with residential, commercial, and school uses. The Project Site is currently developed with a 2-story commercial building with exterior lighting. The Project area exhibits considerable ambient nighttime illumination levels due to the densely developed nature of the Project area and adjacent properties. Artificial light sources from surrounding properties include interior and exterior lighting for security, parking lot lighting, sports field lighting at Charter Oak High School, and incidental landscape lighting. Automobile headings, streetlights, and stoplights for visibility and safety purposes along adjacent roadways contribute to overall ambient lighting levels as well. No mitigation is required.

Construction of the Project would not occur during evening hours. Outdoor project construction activities would occur only during permitted daytime hours (from 7 a.m. to 5 p.m.), in accordance with the City's Municipal Code. As such, construction of the Project would not introduce any new sources of substantial nighttime lighting or glare, and potential impacts associated with construction would be minor and temporary.

Security lighting used during operation of the Project could introduce new sources of light to the Project Site and the immediate vicinities. Lensed light-emitting diode (LED) linear lights would be integrated into the architectural canopies to provide appropriate light levels. Fixtures would be designed to prevent light trespass on adjacent properties. Surface mounted lights on the building and lot lights will project down and meet all codes related to light pollution. Compliance with these regulations would ensure that operational impacts regarding Project lighting would be less than significant.

Glare within the Project Site and the surrounding areas occur from sunlight reflected from reflective materials utilized in existing buildings along adjacent roadways and from vehicle windows and surfaces. Glare-sensitive receptors include motorists on the roadways surrounding the Project Site. As glare is a temporary phenomenon that changes with the movement of the sun, receptors other than motorists are generally less sensitive to glare impacts than to light impacts. The City's Municipal Code Section 9.42.020 (applicable to disturbances imposed on residential uses only) requires that "no operation, activity, sign, or lighting fixture shall create illumination that exceeds five foot-candles on any adjacent property, whether the illumination is direct or indirect light from the source. Glare levels shall be measured with a photoelectric photometer following the standard spectral luminous efficiency curve adopted by the International Commission on Illumination." Compliance with City's Municipal Code Section 9.42.020 would ensure that adverse nighttime lighting and glare effects do not occur at nearby residential uses as a result of the Project. As such, a less than significant impact would occur in this regard. No mitigation is required.

References

Caltrans, 2020. California Department of Transportation, List of Eligible and Officially Designated State Scenic Highways. Available at https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways, accessed May, 2022.

Covina, 2000. City of Covina's General Plan, Natural Resources and Open Space Element, adopted April 18, 2000.

Covina, 2022. City of Covina Municipal Code, passed January 18, 2022, https://www.codepublishing.com/CA/Covina/, accessed May 2022.

Agriculture and Forestry Resources

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
II. AGRICULTURE AND FORESTRY RESOURCES — In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☐	☐	☒
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

Discussion

Would the Project:

a) **Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?**

No Impact. The Project Site is located in a highly urbanized area of the City predominately developed with residential, commercial, and school uses. The Project Site is currently developed with an approximately 55,321 SF 2-story commercial building occupied by "TT Electronics Power Solutions" which is used for electronics manufacturing. The remainder of the Project Site consists of asphalt-paved surface parking lots and ornamental landscaped areas. According to the City's General Plan Natural Resources and Open Space Element, the City is approximately 99 percent built out and does not contain usable agricultural soils or important agricultural areas (Covina, 2000). Further, the Project Site does not contain agricultural uses or related operations and is not designated Prime Farmland, Unique Farmland, or Farmland of Statewide Importance as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program (DOC,

2020). Therefore, the Project would not convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to non-agricultural uses. No impact would occur in this regard.

b) **Conflict with existing zoning for agricultural use, or a Williamson Act contract?**

No Impact. The Project Site is currently developed with an approximately 55,321 SF 2-story commercial building occupied by "TT Electronics Power Solutions" which is used for electronics manufacturing. The remainder of the Project Site consists of asphalt-paved surface parking lots and ornamental landscaped areas. The Project Site is currently zoned M-1 (Light Manufacturing). No portion of the Project Site or surrounding land uses are zoned for agriculture and no nearby lands are enrolled under the Williamson Act. As discussed above, the City is approximately 99 percent built out and does not contain usable agricultural soils or important agricultural areas (Covina, 2000). As such, the Project would not conflict with existing zoning for agricultural uses or a Williamson Act Contract and no impact would occur in this regard.

c) **Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?**

No Impact. The Project Site is currently zoned M-1 (Light Manufacturing). The Project Site is located in a highly urbanized area of the City predominately developed with residential, commercial, and school uses. The Project Site is currently developed with an approximately 55,321 SF 2-story commercial building occupied by "TT Electronics Power Solutions" which is used for electronics manufacturing. The remainder of the Project Site consists of asphalt-paved surface parking lots and ornamental landscaped areas. No forest land or land zoned for timberland is present on the Project Site or in the surrounding area. According to the City's Natural Resources and Open Space Element, the City is approximately 99 percent built out and does not contain any forests (City of Covina, 2000). As such, the Project would not conflict with existing zoning for forest land or timberland and no impact would occur in this regard.

d) **Result in the loss of forest land or conversion of forest land to non-forest use?**

No Impact. The Project Site is currently developed with an approximately 55,321 SF 2-story commercial building occupied by "TT Electronics Power Solutions" which is used for electronics manufacturing. The remainder of the Project Site consists of asphalt-paved surface parking lots and ornamental landscaped areas. No forest land exists on the Project Site or in the surrounding area. As discussed above in Response II.c, the City is approximately 99 percent built out and does not contain any forests (City of Covina, 2000). As such, the Project would not result in the loss of forestland or the conversion of forestland to non-forest use. No impact would occur in this regard.

e) **Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?**

No Impact. As discussed above in Responses II.a through II.d, there are no agricultural or forest uses or related operations on or near the Project Site. Therefore, the Project would not involve the conversion of farmland forest land to other uses. No impacts to agricultural or forest land or uses would occur in this regard.

References

City of Covina, 2000. General Plan, Natural Resources and Open Space Element, page D-9. Adopted April 18, 2000.

DOC, 2020. California Department of Conservation, California Important Farmland Finder, https://maps.conservation.ca.gov/dlrp/ciff/, accessed May 2022.

Air Quality

Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
III. AIR QUALITY — Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

Discussion

Would the Project:

a) **Conflict with or obstruct implementation of the applicable air quality plan?**

Less Than Significant Impact. The Project Site is located within the 6,745-square-mile South Coast Air Basin (Basin). Air quality planning for the Basin is under the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The SCAQMD has adopted a series of Air Quality Management Plans (AQMPs) to meet the California Ambient Air Quality Standards (CAAQS) and National Ambient Air Quality Standards (NAAQS) for criteria air pollutants. The SCAQMD is required, pursuant to the Clean Air Act, to reduce emissions of criteria pollutants for which the Basin is in non-attainment of the NAAQS (e.g., ozone [O_3], and particulate matter 2.5 microns in diameter or less [PM2.5]). The SCAQMD, California Air Resources Board (CARB), and United States Environmental Protection Agency (USEPA) have adopted the 2016 AQMP which incorporates scientific and technological information and planning assumptions, regarding air quality, including the Southern California Association of Governments (SCAG) 2016 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS), and emission inventory methodologies for various source categories (SCAG 2016a; SCAQMD 2017). The AQMP builds upon other agencies' plans to achieve federal standards for air quality in the Air Basin and incorporates a comprehensive strategy aimed at controlling pollution from all sources, including stationary sources, and on-road and off-road mobile sources. In addition, it highlights the significant amount of emission reductions needed and the urgent need to identify additional strategies, especially for mobile sources, to meet all federal criteria pollutant standards in accordance with the Clean Air Act. The 2016 AQMP is used in these analyses since it has been adopted by both SCAQMD and CARB.

The AQMP contains a comprehensive list of pollution control strategies directed at reducing emissions and achieving the NAAQS. These strategies are developed, in part, based on regional growth projections prepared by the SCAG. As part of its air quality planning, SCAG has prepared

the Regional Comprehensive Plan (RCP) and Guide and the RTP/SCS, which provide the basis for the land use and transportation components of the AQMP and are used in the preparation of the air quality forecasts and the consistency analysis included in the AQMP. Both the RCP and AQMP are based, in part, on projections originating with county and city general plans.

The 2016 AQMP was prepared to accommodate growth, reduce the high levels of pollutants within the areas under the jurisdiction of SCAQMD, return clean air to the region, and minimize the impact on the economy. Projects that are consistent with the assumptions used in the AQMP do not interfere with attainment because the growth is included in the projections utilized in the formulation of the AQMP. Thus, projects, uses, and activities that are consistent with the applicable growth projections and control strategies used in the development of the AQMP would not jeopardize attainment of the air quality levels identified in the AQMP, even if it would individually exceed the SCAQMD's regional significant thresholds. The SCAQMD's 2016 AQMP contains a comprehensive list of pollution control strategies directed at reducing emissions and achieving the NAAQS and includes transportation control strategies designed to reduce vehicle miles traveled (VMT). SCAQMD's 2016 AQMP control strategies were developed, in part, based on regional growth projections prepared by SCAG through 2040. While SCAG's Regional Council adopted the 2020–2045 RTP/SCS on September 3, 2020, SCAQMD's 2016 AQMP is based on growth projections and control strategies from the 2016–2040 RTP/SCS. For this reason, consistency with the 2016–2040 SCAG RTP/SCS remains the appropriate version when discussing a project's consistency with the SCAQMD's 2016 AQMP.

The Project's consistency with applicable air quality plans is provided below. There are no applicable numerical thresholds of significance for this consistency analysis. In accordance with the SCAQMD's CEQA Air Quality Handbook, the following criteria were used to evaluate the Project's consistency with the SCAQMD's 2016 AQMP:

- Criterion 1: Will the project result in any of the following:
  - An increase in the frequency or severity of existing air quality violations; or
  - Cause or contribute to new air quality violations; or
  - Delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP.
- Criterion 2: Will the project exceed the assumptions utilized in preparing the AQMP?

The Project's potential impacts with respect to these criteria are discussed to assess the consistency with the SCAQMD's 2016 AQMP.

Criterion 1

Consistent with the first criterion, the Project would not conflict with the ability of federal, State, and local agencies to implement fair-share emissions strategies or achieve compliance with criteria pollutant standards or other federal requirements. Specifically, the Project's volatile organic compound (VOC), nitrogen oxides (NO_X), carbon monoxide (CO), sulfur dioxide (SO_2), respirable particulate matter (10 microns or smaller in diameter, PM10), and fine particulate

matter (2.5 microns or smaller in diameter, PM2.5) emissions resulting from construction and operation were analyzed to ascertain any potential effects on localized concentrations and determine the potential for such emissions to cause or contribute to a violation of the ambient air quality standards. As discussed under response to Section III (b) and response to Section III (c), the Project's construction and operational emissions would not exceed the SCAQMD's regional mass emissions thresholds for VOC, NO_X, CO, SO_2, PM10 or PM2.5 or the localized significance thresholds (LSTs) for NO_X, CO, PM10 or PM2.5, or generate roadway traffic congestion at an intersection that would result in a CO hotspot in excess of the ambient air quality standards as a result of project motor vehicle operations. The Project's emissions would therefore not increase concentrations of criteria pollutants or their precursors in a manner that would conflict with or obstruct SCAQMD's efforts to achieve attainment of ambient air quality standards for any criteria pollutant for which it is currently not in attainment or jeopardize the current attainment status of the Basin for other criteria pollutants. Therefore, in response to Criterion 1, the Project would not result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new air quality violations, or delay timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

Criterion 2

With respect to the second criterion for determining consistency with AQMP growth assumptions, the projections in the AQMP for achieving air quality goals are based on assumptions in SCAG's 2016–2040 RTP/SCS regarding population, housing, and growth trends. Determining whether or not a project exceeds the assumptions reflected in the AQMP involves the evaluation of consistency with applicable population, housing, and employment growth projections and appropriate incorporation of AQMP control measures. The following discussion provides an analysis with respect to these criteria.

Air Quality Management Plan Consistency

The Project would not obstruct implementation of the 2016 AQMP for, as discussed below, its construction and operational emissions would be less than significant. The Project would comply with applicable required fleet rules and control strategies to reduce on-road truck emissions (i.e., 13 CCR, section 2025 [CARB Truck and Bus regulation]), and other applicable SCAQMD rules specified and incorporated in the 2016 AQMP. As discussed above, projects, uses, and activities that are consistent with the applicable growth projections and control strategies used in the development of the AQMP would not jeopardize attainment of the air quality levels identified in the AQMP. As discussed below, compliance with the applicable required fleet rules and control strategies and requirements would render it consistent with, and meet or exceed, the AQMP requirements for control strategies intended to reduce emissions from construction equipment and activities. Thus, the Project's criteria pollutant emissions would not cause the Basin's criteria pollutant emissions to worsen so as to impede the SCAQMD's efforts to achieve attainment with respect to any criteria pollutant for which it is currently not in attainment of the NAAQS and CAAQS (i.e., ozone, PM10, and PM2.5), or to cause the Basin to deteriorate from its current attainment status with respect to any other criteria pollutant emissions.

As further discussed below, the Project is also consistent with the 2016 AQMP. The Project incorporates into its design appropriate control strategies set forth in the 2016 AQMP for achieving its emission reduction goals and would be consistent with the demographic and economic assumptions upon which the plan is based.

Construction

Control Strategies

Construction activities associated with the Project have the potential to generate temporary criteria pollutant emissions through the use of heavy-duty construction equipment, such as excavators and backhoes, and through vehicle trips generated from worker trips and haul trucks traveling to and from the Project area. In addition, fugitive dust emissions would result from demolition and various soil-handling activities. During its construction phase, the Project would ensure compliance with CARB's requirements to minimize short-term emissions from on-road and off-road diesel equipment, and with SCAQMD's regulations such as Rule 403 for controlling fugitive dust and Rule 1113 for controlling VOC emissions from architectural coatings. Compliance with these regulatory measures and requirements would be consistent with and meet or exceed the AQMP requirements for control strategies intended to reduce emissions from construction equipment and activities.

Growth Projections

The Project would generate short-term construction jobs, but these jobs would not necessarily bring new construction workers or their families into the region, since construction workers are typically drawn from an existing regional pool who travel among construction sites within the region. Construction workers are not typically brought from other regions to work on developments such as the Project. Moreover, these jobs would be relatively small in number and temporary in nature. Therefore, the Project's construction jobs would not conflict with the long-term employment or population projections upon which the 2016 AQMP is based.

Operations

Control Strategies and Policy Consistency

The 2016 AQMP was prepared to accommodate growth, reduce the levels of pollutants within the areas under the jurisdiction of SCAQMD, return clean air to the region, and minimize the impact on the economy. The Project would include the development of a Public Storage facility that would require two employees to operate. The Project would have no effect on long-term population and employment growth. Projects that are considered consistent with the AQMP would not interfere with attainment because this growth is included in the projections used in the formulation of the AQMP.

Growth Projections

The Project would require approximately two new employees, which is well within SCAG's employment growth assumptions for the City. SCAG predicted City's employment growth between 2012 and 2040 to be 4,200 jobs (SCAG, 2016b). As discussed in the Trip Generation Memo (**Appendix H**, of this Draft IS/MND), during each operation day, the Project has a

maximum of 214 daily vehicle trips, which would include up to 14 AM peak hour trips, and 24 PM peak hour trips from employees and visitors to and from the Project Site. As such, the Project would generate 3 fewer daily vehicle trips, 20 fewer AM peak hour vehicle trips, and 13 fewer PM peak hour vehicle trips as compared to the existing use (LSA, 2021). In other words, the trip generation characteristics of the Project are less intense than those of the existing use. Further, the Project does not have a significant impact on transportation and would not require a Traffic Impact Analysis (LSA, 2021). Mobile source emissions associated with the Project Site were calculated and are discussed in Threshold b, below.

Projects, uses, and activities that are consistent with the applicable growth projections and control strategies used in the development of the AQMP would not jeopardize attainment of the air quality reductions identified in the AQMP. Based on the above, the Project would not conflict with growth projections in the 2016 AQMP and impacts would be less than significant. No mitigation is required.

b) **Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard?**

Less Than Significant Impact. The Basin is currently designated as extreme nonattainment for ozone (O_3) (federal and State standards), non-attainment for respirable particulate matter 10 microns in diameter or less (PM10) (State standards) and PM2.5 (federal and State standards). The SCAQMD's approach for assessing cumulative impacts related to operations is based on attainment of ambient air quality standards in accordance with the requirements of the federal and State Clean Air Acts. As discussed above, the SCAQMD has developed a comprehensive plan, the 2016 AQMP, which addresses the region's cumulative air quality condition.

A significant impact may occur if a project were to add a cumulatively considerable contribution of a federal or State non-attainment pollutant. Because the SCAB is currently in nonattainment for ozone, PM10 and PM2.5, related projects could cause ambient concentrations to exceed an air quality standard or contribute to an existing or projected air quality exceedance. Cumulative impacts to air quality are evaluated under two sets of thresholds for CEQA and the SCAQMD. In particular, CEQA Guidelines Sections 15064(h)(3) provides guidance in determining the significance of cumulative impacts. Specifically, Section 15064(h)(3) states in part that:

> *"A lead agency may determine that a project's incremental contribution to a cumulative effect is not cumulatively considerable if the project will comply with the requirements in a previously approved plan or mitigation program which provides specific requirements that will avoid or substantially lessen the cumulative problem (e.g., water quality control plan, air quality plan, integrated waste management plan) within the geographic area in which the project is located. Such plans or programs must be specified in law or adopted by the public agency with jurisdiction over the affected resources through a public review process to implement, interpret, or make specific the law enforced or administered by the public agency…"*

For purposes of the cumulative air quality analysis with respect to CEQA Guidelines Section 15064(h)(3), the Project's incremental contribution to cumulative air quality impacts is determined based on compliance with the SCAQMD adopted 2016 AQMP. The 2016 AQMP includes demographic growth forecasts for various socioeconomic categories (e.g., population, housing, employment), developed by SCAG for their 2016 Regional Transportation Plan (RTP). As discussed above in Response III.a, the Project would not conflict with the 2016 AQMP.

The Project would contribute to local and regional air pollutant emissions during construction (short-term or temporary). However, based on the following analysis, construction and operation of the Project would result in less than significant impacts relative to the daily significance thresholds for criteria air pollutant emissions established by the SCAQMD for construction and operational phases (SCAQMD, 2015).

Daily regional and annual construction and operational source Project criteria pollutant emissions (NO_X, volatile organic compounds [VOC], PM10, PM2.5, sulfur oxides [SO_X], and carbon monoxide [CO]) are estimated using the California Emissions Estimator Model (CalEEMod) (Version 2020.4.0) software, an emissions inventory software program recommended by the SCAQMD. The model also calculates emissions from direct and indirect sources and quantifies applicable emissions reductions achieved from emissions control strategies and mitigation measures. CalEEMod is based on outputs from off-road vehicle model (OFFROAD) and emission factors model (EMFAC), which are emissions estimation models developed by CARB and used to calculate emissions from construction activities, including on- and off-road vehicles and statewide and regional emissions inventories from all motor vehicles, including passenger cars to heavy-duty trucks, operating on highways, freeways, and local roads in California. CalEEMod was used to estimate emissions from off-road equipment, while mobile source emissions were calculated separately using client-provided trip generation, trip lengths from CalEEMod, and applying emission factors from EMFAC2021. Within CalEEMod, fugitive dust emissions include the application of water as a control measure consistent with SCAQMD Rule 403, which applies to the Project's construction activities. Fugitive dust control measures are not mitigation under CEQA because they are regulatory compliance. The input values used in the CalEEMod modeling analysis were adjusted based on Project-specific information. Assumptions and modeling output are included in **Appendix A**, of this Draft IS/MND.

Construction Emissions

Construction activities associated with the Project would result in emissions of CO, VOCs, NO_X, SO_X, PM10, and PM2.5. Construction related emissions are expected from all phases of construction: demolition, site preparation, grading/excavation, drainage/utilities/trenching, foundations/concrete pour, building construction, paving, and architectural coating. Construction is expected to commence in the November 2022 to November 2023, as described previously in Section 2.6*, Construction Activities and Grading,* of the Project Description. The analysis utilized construction fleet information and a construction schedule provided by the client and represents a "worst-case" scenario. It is assumed that all construction equipment would be Tier 3. If construction commences later than the anticipated start date, air quality impacts would be less than those analyzed herein, because a more energy-efficient and cleaner burning construction

equipment fleet mix would be expected in the future, pursuant to State regulations that require construction equipment fleet operators to phase-in less polluting heavy-duty equipment. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per CEQA guidelines. Site specific construction fleet may vary due to Project specific needs at the time of construction. A detailed summary of construction assumptions is provided in Section 2.6, *Construction Activities and Grading,* of the Project Description.

The estimated maximum daily construction emissions are summarized in **Table III-1**, *Maximum Daily Construction Emissions*. Building construction and paving as well as building construction and architectural coating may occur simultaneously; thus, emissions are summed and presented as overlapping phases below. Emissions from the construction would not exceed any criteria pollutant thresholds established by the SCAQMD. Therefore, impacts would be less than significant. No mitigation is required.

TABLE III-1
MAXIMUM DAILY CONSTRUCTION EMISSIONS[a,b]

	Emissions (pounds per day)					
Year	**VOC**	**NO_X**	**CO**	**SO_X**	**PM10**	**PM2.5**
Construction Phases						
Demolition - 2022	0.3	14.2	12.7	0.1	1.5	0.6
Demolition - 2023	0.3	12.4	12.6	0.0	1.5	0.6
Site Preparation - 2023	0.3	6.0	9.4	0.0	0.5	0.4
Grading/Excavation - 2023	0.5	14.6	17.6	0.0	1.2	0.7
Drainage/Utilities/Trenching - 2023	0.3	5.2	8.7	0.0	0.6	0.4
Foundations/Concrete Pour - 2023	0.4	12.3	15.2	0.1	1.2	0.6
Building Construction - 2023	0.2	3.3	10.0	0.0	0.9	0.3
Paving - 2023	0.4	4.4	8.0	0.0	0.4	0.2
Architectural Coating - 2023	66.8	2.0	3.0	0.0	0.2	0.1
Overlapping Phases						
Building Construction + Paving – 2023	0.6	7.8	18.0	0.0	1.3	0.6
Building Construction + Architectural Coating – 2023	67.0	5.3	13.0	0.0	1.1	0.5
Maximum Daily Regional Emissions	**67.0**	**14.6**	**18.0**	**0.1**	**1.5**	**0.7**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No

Notes:

[a] Totals may not add up exactly due to rounding in the modeling calculations.

[b] Emissions include fugitive dust control measures consistent with SCAQMD Rule 403.

VOC = volatile organic compounds; NOx = oxides of nitrogen; CO = carbon monoxide; SOx = sulfur oxides; PM10 = particulate matter, aerodynamic diameter of 10 micrometers or less; PM2.5 = particulate matter, aerodynamic diameter of 2.5 micrometers or less.

SOURCE: **Appendix A**, of this Draft IS/MND. ESA 2022.

Operational Emissions

During operation of the Project, there would only be periodic maintenance and two employees for the Public Storage facility working on-site. As such, the Project would result in fewer employees compared to the existing manufacturing building. Emissions from mobile sources would actually decrease compared to existing conditions. The existing operational emissions were estimated using CalEEMod and were counted as credit for the Project. The estimated maximum daily construction emissions are summarized in **Table III-2**, *Maximum Daily Operational Emissions*. Emissions from operation would not exceed any criteria pollutant thresholds established by the SCAQMD. The Project would also include a landscaping plan that provides 20 trees and removes 16 trees (see Section 2.5.3, *Landscaping*, of the Project Description). Of the 26 vehicle parking spaces, three spaces would be set aside for electric vehicles or clean air vehicles. Two bicycle parking spaces would be provided. Therefore, impacts would be less than significant. No mitigation is required.

TABLE III-2
MAXIMUM DAILY OPERATIONAL EMISSIONS[a]

	Emissions (pounds per day)					
Year	**VOC**	**NO_X**	**CO**	**SO_X**	**PM10**	**PM2.5**
Sources						
Area	3	<1	<1	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Motor Vehicles	1	1	6	<1	1	<1
Maximum Daily Regional Emissions	**4**	**1**	**6**	**<1**	**1**	**<1**
Existing Operations	2	1	7	<1	1	<1
Net Daily Regional Emissions	**2**	**<1**	**-1**	**<1**	**<1**	**<1**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	No	No	No	No	No	No

NOTES:

[a] Totals may not add up exactly due to rounding in the modeling calculations.

VOC = volatile organic compounds; NOx = oxides of nitrogen; CO = carbon monoxide; SOx = sulfur oxides; PM10 = particulate matter, aerodynamic diameter of 10 micrometers or less; PM2.5 = particulate matter, aerodynamic diameter of 2.5 micrometers or less.

SOURCE: **Appendix A**, of this Draft IS/MND. ESA 2022.

By applying SCAQMD's cumulative air quality impact methodology, implementation of the Project would not result in an addition of criteria pollutants such that cumulative impacts would occur, in conjunction with related projects in the region. In addition, construction and operation of the Project is not expected to result in a cumulatively considerable net increase of any criteria pollutant for which the SCAQMD is in non-attainment (ozone, PM10, PM2.5). Therefore, impacts would be less than significant. No mitigation is required.

c) **Expose sensitive receptors to substantial pollutant concentrations?**

Less Than Significant Impact. According to the SCAQMD CEQA Air Quality Handbook, sensitive receptors include residences, schools, playgrounds, childcare centers, athletic facilities, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. The localized effects from the on-site portion of the emissions are evaluated at nearby sensitive receptor locations potentially impacted by the Project according to the SCAQMD's Localized Significance Threshold Methodology (June 2003, revised July 2008), which relies on on-site mass emission rate screening tables and project-specific dispersion modeling typically for sites greater than five acres, as appropriate (SCAQMD, 2008). The localized significance thresholds are applicable to NO_X, CO, PM10, and PM2.5. For NO_X and CO, the thresholds are based on the ambient air quality standards. For PM10 and PM2.5, the thresholds are based on requirements in SCAQMD Rule 403 (Fugitive Dust) for construction and Rule 1303 (New Source Review Requirements) for operations. The SCAQMD has established screening criteria that can be used to determine the maximum allowable daily emissions that would satisfy the localized significance thresholds and therefore not cause or contribute to an exceedance of the applicable ambient air quality standards without Project-specific dispersion modeling. The screening criteria depend on: (1) the area in which the Project is located, (2) the size of the Project Site, and (3) the distance between the Project Site and the nearest sensitive receptor (e.g., residences, schools, hospitals). The screening criteria were utilized in this assessment. For the Project, the appropriate Source Receptor Area (SRA) for the localized significant threshold (LST) is the East San Gabriel Valley monitoring station (SRA 9). Since the total acreage disturbed is less than five acres per day, SCAQMD's screening look-up tables were used to determine localized significance thresholds. The nearest sensitive receptors to the Project Site are the residential uses located adjacent to the Project Site to the north and south and Charter Oak High School to the north, as described in Section 2.2, *Surrounding Land Uses*, of the Project Description. Receptors adjacent to the Project Site may be exposed to localized emissions on short-term and temporary basis. While the total construction site area is approximately 2.7 acres, a worst-case construction day would disturb up to 2 acres.

SCAQMD's Methodology clearly states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs." Therefore, for purposes of the LST analysis only emissions included in the CalEEMod "on-site" emissions outputs were considered. The significance thresholds determined conservatively assume LST screening levels for a 2-acre site that is 25 meters away from the nearest sensitive receptor.

Localized Construction Emissions

Table III-3, *Maximum Daily Localized Construction Emissions*, identifies the localized impacts at the nearest receptor location in the vicinity of the Project Site. The localized emissions during construction activities would not exceed any of the SCAQMD's localized significance thresholds. Therefore, impacts would be less than significant. No mitigation is required.

TABLE III-3
MAXIMUM DAILY LOCALIZED CONSTRUCTION EMISSIONS

Year	Emissions (pounds per day)			
	NO_X	CO	PM10	PM2.5
Construction Phases				
Demolition - 2022	5	7	1	<1
Demolition - 2023	5	7	1	<1
Site Preparation - 2023	6	8	<1	<1
Grading/Excavation - 2023	10	14	1	1
Drainage/Utilities/Trenching - 2023	5	7	<1	<1
Foundations/Concrete Pour - 2023	6	8	<1	<1
Building Construction - 2023	3	4	<1	<1
Paving - 2023	4	7	<1	<1
Architectural Coating - 2023	2	3	<1	<1
Overlapping Phases				
Building Construction + Paving - 2023	7	10	<1	<1
Building Construction + Architectural Coating - 2023	5	6	<1	<1
Maximum Daily Localized Emissions	**11**	**14**	**1**	**1**
SCAQMD Regional Threshold	128	953	7.0	5.0
Threshold Exceeded?	No	No	No	No

NOTES:

NOx = oxides of nitrogen; CO = carbon monoxide; PM10 = particulate matter, aerodynamic diameter of 10 micrometers or less; PM2.5 = particulate matter, aerodynamic diameter of 2.5 micrometers or less.

SOURCE: **Appendix A**, of this Draft IS/MND. ESA 2022.

Localized Operational Emissions

According to SCAQMD LST methodology, LSTs would apply to the operational phase of a Project, if the Project includes stationary sources, or attracts mobile sources that may queue and idle at the site (e.g., warehouse or transfer facilities). With regard to on-site sources of emissions, the Project would generate emissions from area sources located on-site such as landscaping equipment, and use of consumer products. The Project would not use natural gas or be connected to the natural gas system. **Table III-4**, *Maximum Daily Localized Operational Emissions*, identifies the localized impacts at the nearest receptor location in the vicinity of the Project Site. The localized emissions during operation would not exceed any of the SCAQMD's localized significance thresholds. Therefore, impacts would be less than significant. No mitigation is required.

TABLE III-4
MAXIMUM DAILY LOCALIZED OPERATIONAL EMISSIONS

	Emissions (pounds per day)			
Year	**NO_x**	**CO**	**PM10**	**PM2.5**
Sources				
Area	<1	<1	<1	<1
Energy	<1	<1	<1	<1
Total Project On-Site Emissions	<1	<1	<1	<1
Existing Operations	<1	<1	<1	<1
Net Daily Regional Emissions	<1	<1	<1	<1
SCAQMD Regional Threshold	128	953	2.0	2.0
Threshold Exceeded?	No	No	No	No

NOTES:

NOx = oxides of nitrogen; CO = carbon monoxide; PM10 = particulate matter, aerodynamic diameter of 10 micrometers or less; PM2.5 = particulate matter, aerodynamic diameter of 2.5 micrometers or less.

SOURCE: **Appendix A**, of this Draft IS/MND. ESA 2022.

CO "Hot Spot" Analysis

According to SCAQMD ambient air quality monitoring data, existing CO concentrations within the Project Site (Source Receptor Area 9, East San Gabriel Valley 1 (Azusa)) for 2018, 2019, and 2020 were approximately 1.4, 1.6, 2.4 parts per million (ppm), respectively, for the maximum 1-hour average and 1.0, 1.1, 2.0 ppm, respectively, for the maximum 8-hour average (SCAQMD 2018, 2019, 2020). These measured values are substantially below the most stringent ambient air quality standard of 20 ppm for the 1-hour average and 9.0 ppm for the 8-hour average.

A CO hotspot is an area of localized CO pollution that is caused by severe vehicle congestion on major roadways, typically near intersections. Projects may worsen air quality if they increase the percentage of vehicles in cold start modes by two percent or more; significantly increase traffic volumes (by five percent or more) over existing volumes; or worsen traffic flow, defined for signalized intersections as increasing average delay at intersections operating at Level of Service (LOS) E or F or causing an intersection that would operate at LOS D or better without the Project, to operate at LOS E or F. While construction-related traffic on the local roadways would occur during construction, the net increase of construction worker vehicle trips to the existing daily traffic volumes on the local roadways would be relatively small (no more than 95 construction workers at a time) and would not result in CO hotspots in excess of the 1-hour or 8-hour ambient air quality standard. Additionally, the construction-related vehicle trips would only occur in the short-term and intermittently to the Project Site.

During operation, only minimal emissions would be generated from vehicle trips by the two employees, customers of the Public Storage facility, and periodic maintenance workers. The Project would not produce the volume of traffic required to generate a CO hotspot. Therefore, impacts would be less than significant. No mitigation is required.

Toxic Air Contaminants

Concentrations of toxic air contaminants (TACs) are also used as indicators of ambient air quality conditions. A TAC is defined as an air pollutant that may cause or contribute to an increase in mortality or in serious illness, or that may pose a hazard to human health. TACs are usually present in minute quantities in the ambient air; however, their high toxicity or health risk may pose a threat to public health even at low concentrations.

Construction

Intermittent construction activities associated with the Project would result in short-term emissions of diesel particulate matter, which the State has identified as a TAC. During construction, the exhaust of off-road heavy-duty diesel equipment would emit diesel particulate matter during general construction activities, such as demolition, site preparation, grading/excavation, and foundations/concrete pour.

Intermittent construction activities associated with the Project would result in short-term emissions of diesel particulate matter, which the State has identified as a TAC. During construction, the exhaust of off-road heavy-duty diesel equipment would emit diesel particulate matter during general construction activities, such as demolition, grading/excavation, and building construction. Diesel particulate matter poses a carcinogenic health risk that is generally measured using an exposure period of 30 years for sensitive residential receptors, according to the California Environmental Protection Agency (CalEPA), Office of Environmental Health Hazard Assessment (OEHHA) *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments* (OEHHA Guidance), which was updated in 2015 with new exposure parameters including age sensitivity factors (OEHHA, 2015). Sensitive receptors (residences) would be located adjacent to the Project Site; however, localized diesel particulate matter emissions (strongly correlated with PM2.5 emissions) would be minimal and would be below localized thresholds as presented in Table III-3. Although the localized analysis does not directly measure health risk impacts, it does provide data that can be used to evaluate the potential to cause health risk impacts. The low level of PM2.5 emissions coupled with the short-term duration of construction activity and the relatively small-scale of the Project would result in overall low level of diesel particulate matter concentrations in the Project area. Furthermore, compliance with the CARB airborne toxic control measures (ATCM) anti-idling measure, which limits idling to no more than five minutes at any location for diesel-fueled commercial vehicles, would further minimize diesel particulate matter emissions in the Project Site. The Project would utilize a Construction Contractor(s) that complies with required and applicable Best Available Control Technology (BACT) and the In-Use Off-Road Diesel Vehicle Regulation. Thus, it is expected that sensitive receptors would be exposed to emissions below thresholds and construction TAC impacts would be less than significant. No mitigation is required.

Operations

The Project would replace an electronics manufacturing facility with a Public Storage facility. Typical sources of hazardous TACs include industrial manufacturing processes and automotive repair facilities which require extensive use of commercial or household cleaning products. The Project would not include any of these uses although, minimal emissions may result from the use

of consumer products (e.g., aerosol sprays). Operation of the Project would only result in minimal emissions of toxic air contaminants from the use of architectural coatings and other products. As presented in Table III-4, the localized emissions during operation would be minimal and below localized thresholds. Therefore, the Project would not expose surrounding sensitive receptors to TAC emissions. Impacts would be considered less than significant. No mitigation is required.

d) **Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?**

Less Than Significant Impact. As shown in Table III-1 and Table III-2, the Project would not exceed any criteria pollutant thresholds for which the SCAQMD is in attainment (CO, SOX). As mentioned previously, the CARB ATCM anti-idling measure would limit idling to no more than five minutes at any location (e.g. unloading or loading for the Public Storage facility) for diesel-fueled commercial vehicles. Therefore, impacts would be less than significant. No mitigation is required.

Odors

Potential sources that may emit odors during construction activities include construction equipment exhaust and the application of asphalt for the parking lot and other asphalt surfaces surrounding the facility. According to the SCAQMD CEQA Air Quality Handbook, construction equipment is not a typical source of odors. While there is no specific architectural coating construction phase, SCAQMD Rule 1113 would limit the amount of VOCs from architectural coatings and solvents used during construction. Further, construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of construction. Through adherence with mandatory compliance with SCAQMD Rules, no construction activities or materials are proposed which would create objectionable odors affecting a substantial number of people. It is assumed that this would be the worst case scenario as the residences (sensitive receptor) are adjacent to the Project.

According to the SCAQMD CEQA Air Quality Handbook, land uses associated with odor complaints typically include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting operations, refineries, landfills, dairies, and fiberglass molding facilities. Since the Project would construct a Public Storage facility, it is not anticipated to generate fugitive or evaporative odor emissions. Further, as shown in Table III-1 and Table III-2, construction and operation of the Project would not generate emissions of other pollutants (pollutants for which the region is attainment or maintenance, which includes CO and SO_X) in substantial quantities and emissions of such pollutants would be below the applicable SCAQMD significance thresholds. Therefore, the Project would not generate odors affecting a substantial number of people and impacts would be considered less than significant. No mitigation is required.

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Biological Resources

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
IV. BIOLOGICAL RESOURCES — Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☐	☒
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

Discussion

Would the Project:

a) **Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?**

No Impact. The Project Site is located in a highly urbanized area of the City predominately developed with residential, commercial, and school uses. The Project Site is currently developed with an approximately 55,321 SF 2-story commercial building occupied by "TT Electronics Power Solutions" which is used for electronics manufacturing. The remainder of the Project Site consists of asphalt-paved surface parking lots and ornamental landscaped areas. No native or natural vegetation occurs on the Project Site or within approximately 800 feet of the Project Site. In the absence of any potential habitat areas, no special-status species of wildlife or plants would be expected to occur on the property or would be directly or indirectly affected by the Project.

Therefore, no impact would occur related to a substantial adverse effect on any plant or animal species identified as candidate, sensitive, or special-status in local or regional plans, policies, or regulations by the California Department of Fish and Wildlife (CDFW) or the U.S. Fish and Wildlife Service (USFWS).

b) **Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?**

No Impact. No riparian habitat or sensitive natural communities occur on or adjacent to the Project Site. A segment of Charter Oak Creek, consisting of a barren flood control channel conveying nuisance flow and storm runoff, is located approximately 680 feet to the south of the Project Site with residential housing occupying the area between the Project Site and the Creek. The nearest section of Charter Oak Creek contains little or no vegetation until it flows downstream under Glendora Avenue approximately 800 feet to the southwest of the Project Site. At that point Charter Oak Creek flows through Wingate Park where the drainage is still channelized but where it flows through the Park, it is surrounded by a patch of trees, including native coast live oak (*Quercus agrifolia*) and other natural and non-native vegetation, that may derive some support from the flood control drainage feature. The Charter Oak Creek segment may be considered to constitute a "semi-natural" riparian habitat area, since the Creek is channelized. In any event, as compared with the existing condition of the Project Site, the Project will not alter the existing drainage feature or the quality of nuisance flows or stormwater runoff that may enter Charter Oak Creek for the local area (including the Project Site) and then flow downstream through Wingate Park. The Project will replace the existing approximately 55,321 SF 2-story commercial building occupied by "TT Electronics Power Solutions", which is used for electronics manufacturing, with a new public self-storage building of similar size to the existing commercial use. Implementation of the Project will not increase or decrease runoff quantity or pollutant loads in the storm drain system that may flow into Charter Oak Creek. Therefore, no impact would occur to any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by CDFW or USFWS.

c) **Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?**

No Impact. No wetlands or "waters" subject to state or federal regulatory jurisdiction, such as waters of the United States, pursuant to CWA Section 404, or streams or lakes, pursuant to California Fish and Game Code Section 1600 et al., occur on the Project Site. The Project Site does not contain any resources that would be regulated under the Clean Water Act (CWA) or California Fish and Game Code Section 1600 et al. Further, there are no potential offsite impacts that could be regulated under the CWA or California Fish and Game Code Section 1600. Therefore, no impact would occur with respect to a substantial adverse effect on state or federally protected wetlands (including but not limited to marsh, vernal pool coastal) through direct removal, filling, hydrological interruption, or other means for on-site resources.

d) **Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?**

No Impact. The Project site does not contribute to or function as part of a travel or migration route for terrestrial or avian wildlife species. The Project Site is not part of a regionally important or vital wildlife movement corridor. No native wildlife nursery sites occur in the Project vicinity and no such resources would be affected by the Project. Therefore, the Project would have no impact that would impede wildlife movement or the use of native wildlife nursery sites.

e) **Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?**

No Impact. The City's General Plan includes a Natural Resources and Open Space Element that serves to identify, protect, and conserve local natural resources and to establish a framework for preserving, managing, and enhancing the community's open space areas (Covina, 2000). Natural resources include water, soils, water bodies, vegetation, wildlife, and air; open space lands pertain to parks and related recreational facilities and trails. However, as noted above, the Project Site does not coincide with any existing natural areas or biological resources, and does not overlap or occur adjacent to areas zoned as open space. Nevertheless, there are existing trees on the Project Site and certain Goals and Policies in the Natural Resources and Open Space Element (Section IV) may apply to trees and landscaping design as follows:

> *Policy Area 2 - Vegetation and Wildlife*
>
> *c. In new construction or redevelopment proposals, preserve existing mature trees, whenever feasible, particularly those located within forty feet of any public right-of-way or within any existing or proposed parking lot.*
>
> *g. Require that new and significantly expanded/remodeled private, quasi-public, and public developments, including parking lots, incorporate adequate landscaping, in accordance with City Zoning, Design Guidelines, and general landscape installation provisions, for both aesthetic and ecological reasons.*
>
> *h. Provide for landscape improvements to the City's sidewalks, streets, civic properties, and related public spaces and facilities, in accordance with all applicable standards and provisions, for aesthetic and ecological reasons, to the greatest extent possible.*

As noted above in Section 2.5.3, *Landscaping,* of the Project Description, a tree report was prepared that indicated no native oak trees are located within the Project Site but implementation of the Project would require the removal of 16 ornamental trees (9 Weeping Figs, 6 Southern Magnolias, and 1 Fan Palm). It is not practical or feasible to protect these trees in place as the entire site must be demolished for implementation of the Project. However, the Project includes a Landscape Plan which includes planting more trees than what current exists on the Site; refer to Figure 7. Moreover, the Landscape Plan fully conforms to the City of Covina Design Guidelines which require 20 trees overall (minimum 1 tree / 500 SF of landscape area) for a total of 9,781 SF

and at least 1 tree for each 60 feet of street frontage (6 trees required, 11 trees provided). The Landscape plan also prescribes planting a variety of shrubs along with the ornamental trees around sections of the perimeter of the property and in front of the storage structures. The ornamental tree specimens proposed to be planted that will replace the existing trees would include 8 sweet bay (*Laurus nobilis*), 8 Cherokee crape myrtle (*Lagerstroemia indica* "Cherokee") and 4 golden rain tree (*Koelreutaria paniculata*), all of which are relatively drought tolerant and will not require excessive irrigation.

The City's Municipal Code, Title 17 – Zoning, includes a Tree Preservation Ordinance (Ch. 17.83). The purpose of this ordinance is "to assure that new development addresses the preservation of significant healthy and mature trees to the greatest extent which is reasonable and that activities on properties with existing development are conducted in a manner that minimizes harm and destruction of such trees." The ordinance does not apply to street trees or to repair and maintenance of existing parkways, highways and streets and/or other public facilities. Tree protection is limited to requiring a permit for any damage to designated "Heritage Trees." Heritage Trees include all Quercus (oak) species 10 inches in diameter at breast height (DBH) or greater and trees or groups of trees designated as heritage tree(s) by the City Council. The ornamental tree species on the Project Site are no subject to this ordinance and there are no Heritage Trees within or adjacent to the Site.

Therefore, implementation of the Project will have no impact with respect to potential conflicts with the City's Tree Preservation Ordinance or with regard to local policies protecting biological resources, such as the established City's General Plan policies to preserve trees, provide for adequate landscaping, and assure adherence to landscape design guidelines.

f) **Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?**

No Impact. The Project Site is located in a highly urbanized area of the City predominately developed with residential, commercial, and school uses. The Project Site is currently developed with an approximately 55,321 SF 2-story commercial building occupied by "TT Electronics Power Solutions" which is used for electronics manufacturing. The remainder of the Project Site consists of asphalt-paved surface parking lots and ornamental landscaped areas. The Project will not directly or indirectly affect any natural area or habitat subject to any conservation planning instruments such as a Habitat Conservation Plan (HCP) or other local, regional, or state habitat conservation plan. As such, no impact would occur in this regard.

References

Covina, 2000. General Plan, Natural Resources and Open Space Element, adopted April 18, 2000.

Covina, 2022. City of Covina Municipal Code, passed January 18, 2022, https://www.codepublishing.com/CA/Covina/, accessed April 2022.

Cultural Resources

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
V. CULTURAL RESOURCES — Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	☐	☒	☐	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☒	☐	☐
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	☐	☒	☐	☐

Discussion

The following analysis is based, in part, on the *City of Covina Public Storage Project, City of Covina, California – Cultural Resources Assessment Report* (Cultural Resources Assessment Report) (ESA, 2022), located in **Appendix B**, of this Draft IS/MND. The report summarizes the methods and results of a records search conducted through the California Historical Resources Information System (CHRIS) South Central Coastal Information Center (SCCIC); review of historic topographic maps and aerial photographs; and a desktop archaeological sensitivity assessment. Given the paved and developed nature of the Project Site, an archaeological resources survey was not conducted.

Would the Project:

a) **Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?**

Less Than Significant Impact with Mitigation Incorporated. No cultural resources were identified within or immediately adjacent to the Project Site as a result of the SCCIC records research conducted for the Site. The historic map and aerial review indicates a structure and orchards were present within the Project Site from 1927 through the early 1960s. Starting in the early 1960s, the maps show the Project Site and its vicinity were subject to suburban development which began to replace the orchards. It is during this time that the structure and orchards depicted within the Project Site are no longer present. By the late 1980s the current buildings and parking lot within the Project Site are depicted.

Based on geotechnical testing conducted for the Project Site, artificial fill is known to extend from the Project Site's surface to a depth of 6 feet below ground surface, and the fill is underlain by Quaternary alluvium. As such, the archaeological sensitivity assessment indicates Project-related ground disturbing activities from the Project Site's surface to a depth 6 feet below ground surface (bgs) have no potential for encountering intact archaeological deposits (based on the previous disturbances in the Project Site), and the likelihood for encountering intact archaeological deposits below 6 feet bgs within the Quaternary alluvium is low to moderate. The Project's proposed ground disturbance would extend to a maximum depth of 10 feet bgs, intruding into the Quaternary alluvium. Therefore, there is some potential, albeit low to moderate,

for Project-related ground disturbance to encounter intact subsurface archaeological deposits underlying the artificial fill below depths of 6 feet bgs. Should subsurface archaeological deposits be encountered during Project implementation, they may qualify as historical resources pursuant to CEQA and could be subject to significant impacts. With the incorporation of Mitigation Measures **CUL-1** through **CUL-3**, potential impacts to subsurface archaeological deposits that qualify as historical resources would be less than significant**.**

Mitigation Measures

CUL-1: Prior to the start of ground-disturbing activities, the Project Applicant shall retain a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (U.S. Department of the Interior, 2012) to carry out Mitigation Measures CUL-2 and CUL-3.

CUL-2: Prior to the start of ground-disturbing activities, construction personnel shall be trained in the identification of cultural resources. Prior to earth moving activities, the qualified archaeologist shall conduct cultural resources sensitivity training for all construction personnel. Construction personnel shall be informed of the types of archaeological resources that may be encountered, and of the proper procedures be to enacted in the event of an inadvertent discovery of archaeological resources or human remains. The Project Applicant shall ensure that construction personnel are made available for and attend the training and retain documentation demonstrating attendance

CUL-3: In the event of the unanticipated discovery of archaeological materials, the Project Contractor(s) shall immediately cease all work activities in the area (within approximately 100 feet) of the discovery until it can be evaluated by a qualified archaeologist. Prehistoric archaeological materials might include obsidian and chert flaked-stone tools (e.g., projectile points, knives, scrapers) or tool-making debris; culturally darkened soil ("midden") containing heat-affected rocks, artifacts, or shellfish remains; and stone milling equipment (e.g., mortars, pestles, handstones, or milling slabs); and battered stone tools, such as hammerstones and pitted stones. Historic-period materials might include stone or concrete footings and walls; filled wells or privies; and deposits of metal, glass, and/or ceramic refuse. Construction shall not resume until the qualified archaeologist has conferred with the City on the significance of the resource.

If it is determined that the discovered archaeological resource constitutes a historical resource under CEQA, avoidance and preservation in place is the preferred manner of mitigation. Preservation in place maintains the important relationship between artifacts and their archaeological context and also serves to avoid conflict with traditional and religious values of groups who may ascribe meaning to the resource. Preservation in place may be accomplished by, but is not limited to, avoidance, incorporating the resource into open space, capping, or deeding the site into a permanent conservation easement. In the event that preservation in place is demonstrated to be infeasible and data recovery through excavation is the only feasible mitigation available, an Archaeological Resources Data Recovery and Treatment Plan shall be prepared and implemented by a qualified archaeologist in consultation with the City and the Project Applicant that

provides for the adequate recovery of the scientifically consequential information contained in the archaeological resource. The City shall consult with appropriate Native American representatives in determining treatment for prehistoric or Native American resources to ensure cultural values ascribed to the resource, beyond that which is scientifically important, are considered.

b) **Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?**

Less Than Significant Impact with Mitigation Incorporated. As detailed above, there is some potential, albeit low to moderate, for Project-related ground disturbance to encounter intact subsurface archaeological deposits below depths of 6 feet bgs. Should subsurface archaeological deposits be encountered during Project implementation, they may qualify as unique archaeological resources pursuant to CEQA and could be subject to significant impacts. With the incorporation of Mitigation Measures **CUL-1** through **CUL-3**, potential impacts to subsurface archaeological deposits that qualify as unique archaeological resources would be less than significant.

Mitigation Measures

Implement Mitigation Measures **CUL-1** through **CUL-3**.

c) **Disturb any human remains, including those interred outside of dedicated cemeteries?**

Less Than Significant Impact with Mitigation Incorporated. No known formal or informal cemeteries or other burial places are known to exist within the Project Site and the Project is unlikely to disturb human remains. However, because the Project would involve earthmoving activities, there is the possibility, albeit low, that such actions could unearth, expose, or disturb previously unknown human remains. With the incorporation of Mitigation Measure **CUL-4**, which requires compliance with State Health and Safety Code Section 7050.5 and PRC Section 5097.98, potential impacts to human remains would be less than significant.

Mitigation Measures

CUL-4: If human remains are encountered, the Project Contractor(s) shall halt work in the vicinity (within 100 feet) of the find and contact the Los Angeles County Coroner in accordance with PRC Section 5097.98 and Health and Safety Code Section 7050.5. If the County Coroner determines that the remains are Native American, the California Native American Heritage Commission (NAHC) will be notified in accordance with Health and Safety Code Section 7050.5, subdivision (c), and PRC Section 5097.98 (as amended by Assembly Bill 2641). The NAHC will designate a Most Likely Descendent (MLD) for the remains per PRC Section 5097.98. Until the landowner has conferred with the MLD, the Project Contractor(s) shall ensure that the immediate vicinity where the discovery occurred is not disturbed by further activity, is adequately protected according to generally accepted cultural or archaeological standards or practices, and that further activities take into account the possibility of multiple burials.

References

ESA. 2022. *City of Covina Public Storage Project, City of Covina, California – Cultural Resources Assessment Report*. Prepared for the City of Covina Community Development Department by Environmental Science Associates.

Energy

Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
VI. ENERGY — Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

Discussion

Would the Project:

a) **Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during Project construction or operation?**

Less Than Significant Impact. The Project would consume energy during construction activities primarily from on- and off-road vehicle fuel consumption in the form of diesel, gasoline, and electricity from water conveyance for dust control. Operation of the Project would consume energy from energy use from general building operations, including building heating, ventilation and air conditioning (HVAC) systems and lighting, and from mobile sources. The analysis below includes the Project's energy requirements and energy use efficiencies by energy type for each stage of the Project (construction and operations).

Construction

Construction of the Project would result in energy demand primarily from off-road equipment and on-road vehicle fuel consumption (diesel and gasoline) and secondarily from electricity for conveying water used for dust suppression and for a temporary on-site construction office/trailer. The analysis below includes the Project's energy requirements and energy use efficiencies by energy type for each stage of the Project.

The estimated fuel usage for off-road equipment is based on the number and type of equipment that would be used during construction activities, hour usage estimates, the total duration of construction activities, and hourly equipment fuel consumption factors from the California Air Resources Board (CARB) OFFROAD model, which was used in the Project's air quality analysis. On-road vehicles would include trucks to haul material to and from the Project Site, vendor trucks to deliver supplies necessary for Project construction, water trucks for dust control, and fuel used for employee commute trips. The estimated fuel usage for on-road vehicles is based on the number of trucks and employee commute trips that would occur during construction activities and per mile fuel consumption factors from the CARB on-road vehicle emissions factor (EMFAC) model, which was used in the Project's air quality analysis. Electricity used for a portable construction office was calculated using energy intensity factors from CalEEMod and electricity from water conveyance for dust control was calculated using assumptions for gallons

used per acre per day and CalEEMod water conveyance intensity factors applied to calculate total construction electricity consumption. Construction activities typically do not involve the consumption of natural gas. **Table VI-1**, *Summary of Energy Consumption During Project Construction*, summarizes the Project's total and annual fuel and electricity consumption from construction activities.

TABLE VI-1
SUMMARY OF ENERGY CONSUMPTION DURING PROJECT CONSTRUCTION

Fuel Type	Quantity
Gasoline	**gallons**
On-Road Construction (Workers)	13,705
Total Gasoline (12 months)	***13,705***
Diesel	**gallons**
On-Road Construction Equipment	14,964
Off-Road Construction Equipment	13,263
Total Diesel (12 months)	***28,226***
Electricity	**MWh**
Construction Office	13
Water Conveyance for Dust Control	0.60
Total Electricity (12 months)	***13.6***

NOTES:
gal = gallons; MWh = megawatt-hours.
SOURCE: ESA, 2022.

As shown in Table VI-1, total construction electricity usage would be approximately 13.6 megawatt-hours (MWh) and would be within the supply and infrastructure capabilities of Southern California Edison (SCE), the electricity provider for the Project Site, which had a net energy load of 85,399 gigawatt-hours (GWh) in 2020 (SCE, 2021).[1] The electricity demand at any given time would vary throughout the construction period based on the construction activities being performed, and would cease upon completion of construction. Electricity use from construction would be short-term, limited to working hours, used for necessary construction-related activities, and represent a small fraction of the Project's annual operational electricity (the Project's annualized construction electricity would be approximately 6.1 percent of the Project's annual operational electricity). When not in use, electric equipment would be powered off so as to avoid unnecessary energy consumption. Furthermore, the electricity used for off-road light construction equipment would have the co-benefit of reducing construction-related air pollutant and greenhouse gas (GHG) emissions from more traditional construction-related energy in the form of diesel fuel. Therefore, impacts from construction electrical demand would be less than significant and would not result in the wasteful, inefficient, and unnecessary consumption of energy. No mitigation is required.

[1] The most recent year that SCE data was available.

The energy use summary provided above in Table VI-1 represents the amount of energy that could potentially be consumed during Project construction based on a conservative set of assumptions, provided in **Appendix A**, of this Draft IS/MND. As shown, on- and off-road vehicles would consume approximately 13,705 gallons of gasoline and 28,226 gallons of diesel fuel throughout the Project's construction. For comparison purposes, the fuel usage during construction of the Project would represent approximately 0.0005 percent of the 2020 annual on-road gasoline-related energy consumption and 0.005 percent of the 2020 annual diesel fuel-related energy consumption in California (CEC, 2021).

Operation

During operation of the Project, energy would be consumed for multiple purposes, including, but not limited to HVAC equipment, lighting, and the use of electronics. Energy would also be consumed during operation of the Project related to water usage, solid waste disposal, and vehicle trips. **Table VI-II**, *Project Operational Energy Usage*, summarizes the Project's operational energy consumption. As shown in Table VI-II, the Project would result in a net annual consumption of electricity of approximately 263 MWh per year, which would represent approximately 0.0003 percent of SCE's total sales of 85,399,000 MWh in 2020 (SCE, 2021).

The Project would install lighting and a ventilation system that conforms to the CALGreen Code and 2019 Title 24 Standards. In addition, the Project would include electric vehicle parking in accordance with the 2019 Title 24 Standards.

Additionally, the Project would decrease the demand for natural gas resources because the Project will not use natural gas or be connected to the natural gas system. As shown in Table VI-II, the Project would decrease natural gas demand by 0.96 million cubic feet as compared to existing land uses. As would be the case with electricity, the Project would comply with the applicable provisions of Title 24, and the CALGreen Code in effect at the time of building occupancy to minimize natural gas demand. As such, the Project would minimize energy demand. Therefore, with the incorporation of these features, operation of the Project would not result in the wasteful, inefficient, and unnecessary consumption of natural gas, and impacts would be less than significant. No mitigation is required.

The Project would decrease demand for transportation fuels relative to existing site conditions for gasoline, diesel, and natural gas. During daily operations, the Project would have a maximum of 214 vehicle trips. The Project would decrease fuel use relative to existing site conditions by 1,685 gallons of gasoline, 37 gallons of diesel, and 3 gasoline gallon equivalent (GGE) of natural gas.

TABLE VI-II
PROJECT OPERATIONAL ENERGY USAGE

Energy Typea		Annual Quantityb
Electricity		
Existing:		
Building Energy		601 MWh
Water Conveyance		167 MWh
	Existing Total Electricity	**767 MWh**
Project:		
Building Energy		594 MWh
Water Conveyance		432 MWh
EV Charging		5 MWh
	Project Total Electricity	***1,030 MWh***
	Net Total Electricity	***263 MWh***
Natural Gas		
Existing:		
Building Energy		0.96 million cf
	Existing Total Natural Gas	**0.96 million cf**
Project:		
Building Energy		0.0 million cf
	Project Total Natural Gas	***0.0 million cf***
	Net Total Natural Gas	***(0.96 million cf)***
Transportation		
Existing:		
Gasoline		27,216 gallons
Diesel		4,054 gallons
Natural Gas		69 GGE
Project:		
Gasoline		25,530 gallons
Diesel		4,016 gallons
Natural Gas		66 GGE
	Total Transportation – Gasoline	***(1,685 gallons)***
	Total Transportation – Diesel	***(37 gallons)***
	Total Transportation – Natural Gas	***(3 GGE)***

NOTES:

MWh = megawatt-hours; million cf = million cubic feet; GGE = gasoline gallon equivalent.

Detailed calculations are provided in **Appendix A**, of this Draft IS/MND.

a Project electricity and natural gas estimates assume compliance with applicable 2019 Title 24 and CALGreen requirements

b Totals may not add up due to rounding of decimals.

SOURCE: ESA, 2022.

b) **Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?**

Less Than Significant Impact. The Project would utilize a Construction Contractor(s) who demonstrate compliance with applicable regulations. Construction equipment would comply with federal, State, and regional requirements where applicable. With respect to truck fleet operators, the USEPA and National Highway Traffic Safety Administration (NHSTA) have adopted fuel efficiency standards for medium- and heavy-duty trucks. The Phase 1 heavy-duty truck standards apply to combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles for model years 2014 through 2018 and result in a reduction in fuel consumption from 6 to 23 percent over the 2010 baseline, depending on the vehicle type (USEPA, 2011). USEPA and NHTSA also adopted the Phase 2 heavy-duty truck standards, which cover model years 2021 through 2027 and require the phase-in of a 5 to 25 percent reduction in fuel consumption over the 2017 baseline depending on the compliance year and vehicle type (USEPA, 2016). The energy modeling for trucks does not take into account specific fuel reductions from these regulations, since they would apply to fleets as they incorporate newer trucks meeting the regulatory standards; however, these regulations would have an overall beneficial effect on reducing fuel consumption from trucks over time as older trucks are replaced with newer models that meet the standards.

In addition, construction equipment and trucks are required to comply with CARB regulations regarding heavy-duty truck idling limits of five minutes at a location and the phase-in of off-road emission standards that result in an increase in energy savings in the form of reduced fuel consumption from more fuel-efficient engines. Although these regulations are intended to reduce criteria pollutant emissions, compliance with the anti-idling and emissions regulations would also result in the efficient use of construction-related energy.

The State of California and the City have implemented energy policies relevant to the Project. The California Renewables Portfolio Standard (RPS) was established in 2002 and required retail sellers of electricity, including investor-owned utilities and community choice aggregators, to provide at least 20 percent of their supply from renewable sources by 2013. California Senate Bill 350 (Chapter 547, Statues of 2015) is the most recent update to the state's RPS requirements. The RPS requires publicly owned utilities and retail sellers of electricity in California to procure 33 percent of their electricity sales from eligible renewable sources by 2020 and 50 percent by the end of 2030. The Project could potentially generate an increase in electricity demand during operation. However, the demand would be negligible with respect to SCE supplies and no additional power generation facilities would be required. The Project would not conflict with SCE or the State's ability to achieve the RPS goals.

The City's 2019 Energy Action Plan Update and 2012 Energy Action Plan were prepared by the San Gabriel Valley Council of Governments (SGVCOG) for the City. The plans' goals are to reduce energy consumption and decrease GHG emissions in accordance with AB 32 and Senate Bill (SB) 32 emission reduction targets. (Covina 2012; Covina 2019). The City's strategy to achieve these goals is structured around four key strategy topics: electricity, natural gas, and water efficiency; municipal operations; employee & department engagement; and partnership and

regional engagement. These strategies will reduce energy usage at the City's municipal facilities (Covina, 2019). The Project would result in a minimal water demand for two single occupancy restrooms, a janitor's closet, the sink included in the employee break room, fire sprinklers, and the drought tolerant landscaping. All landscape areas would be irrigated with an automatic smart irrigation control system with a dedicated water meter. Energy demand from the Project would result in less natural gas and fuel consumption compared to the existing use (**Appendix A**, of this Draft IS/MND). Therefore, the Project would have a less than significant impact to conflicting with or obstructing a state or local plan for renewable energy or energy efficiency. No mitigation is required.

References

CARB, 2004. California Air Resources Board, 2004. Proposed Regulation Order: Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling, Appendix A, 2004. Available at https://www.arb.ca.gov/regact/idling/isorappf.pdf, accessed September 2019.

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California Gas and Electric Utilities, 2020. *2020 California Gas Report*. https://www.socalgas.com/sites/default/files/2020-10/2020_California_Gas_Report_Joint_Utility_Biennial_Comprehensive_Filing.pdf, accessed December 15, 2021.

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USEPA, 2011. Fact Sheet: EPA and NHTSA Adopt First-Ever Program to Reduce Greenhouse Gas Emissions and Improve Fuel Efficiency of Medium- and Heavy-Duty Vehicles, August 2011.

USEPA, 2016. Federal Register/Vol. 81, No. 206/Tuesday, Greenhouse Gas Emissions and Fuel Efficiency Standards for Medium- and Heavy-Duty Engines and Vehicles—Phase 2, October 25, 2016.

Geology and Soils

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
VII. GEOLOGY AND SOILS — Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☒	☐
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☐	☐	☒	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☐	☒

Discussion

The following analysis is based, in part, on the *Geotechnical Engineering Exploration and Analysis, Proposed 3-Story Public Storage Building, 1330 East Cypress Street, Covina, California* (Geotechnical Report) (Giles, 2021), located in **Appendix C**, of this Draft IS/MND, and the *City of Covina Public Storage Project, City of Covina, California, Paleontological Resources Assessment* (Paleontological Resources Assessment) (ESA, 2022), located in **Appendix D**, of this Draft IS/MND. The Paleontological Resources Assessment summarizes the methods and results of a paleontological resources database review conducted by the Los Angeles County Natural History Museum, and a review of relevant geologic maps and geotechnical reports.

Would the Project:

a) **Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:**

i) **Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42?**

Less Than Significant Impact. Fault rupture is the displacement that occurs along the surface of a fault during an earthquake. Based on criteria established by the California Geological Survey (CGS), faults may be categorized as active, potentially active, or inactive. Active faults are those which show evidence of surface displacement within the last 11,000 years (Holocene-age). Potentially active faults are those that show evidence of most recent surface displacement within the last 1.6 million years (Quaternary-age). Faults showing no evidence of surface displacement within the last 1.6 million years are considered inactive. In addition, there are buried thrust faults, which are low angle reverse faults with no surface exposure. Due to their buried nature, the existence of buried thrust faults is usually not known until they produce an earthquake.

The CGS has established earthquake fault zones known as Alquist-Priolo Earthquake Fault Zones around the surface traces of active faults to assist cities and counties in planning, zoning, and building regulation functions. These zones, which extend from 200 to 500 feet on each side of a known active fault, identify areas where potential surface rupture along an active fault could prove hazardous and identify where special studies are required to characterize hazards to habitable structures.

The Project Site is located in the highly seismic Southern California region within the influence of several fault systems and could be subject to moderate to strong ground shaking in the event of an earthquake on one of the many active Southern California faults. However, the Project Site does not lie within the boundaries of an Earthquake Fault Zone as defined by the State of California in the Alquist-Priolo Earthquake Fault Zoning Act. According to the Geotechnical Report, there are no known active faults traversing the Project Site (Giles, 2021. The nearest active faults to the Project Site are the San Jose Fault and the Sierra Madre Fault, located approximately 2.8 miles and 3.6 miles from the Site, respectively (Giles, 2021). As such, the Project would result in a less than significant impact related to the rupture of a known earthquake fault. No mitigation is required.

ii) **Strong seismic ground shaking?**

Less Than Significant Impact. Seismicity is the geographic and historical distribution of earthquakes, including their frequency, intensity, and distribution. The level of ground shaking at a given location depends on many factors, including the size and type of earthquake, distance from the earthquake, and subsurface geologic conditions. The type of construction also affects how particular structures and improvements perform during ground shaking.

Strong seismic ground shaking could result in general types of ground failure; however, based on the Geotechnical Report, ground failure and associated effects of seismic activity are considered unlikely at the Project Site (Giles, 2021). The City requires that all new construction meet or exceed Title 14, Buildings and Construction, of the City's Municipal Code, and the latest standards of the 2019 California Building Code (CBC) for construction which requires structural design that can accommodate maximum ground accelerations expected from known faults. The Project would comply with the CGS Special Publications 117, Guidelines for Evaluating and Mitigating Seismic Hazards in California, which provides guidance for evaluation and mitigation of earthquake-related hazards. Therefore, the Project would result in a less than significant impact related to strong seismic ground shaking. No mitigation is required.

iii) **Seismic-related ground failure, including liquefaction?**

Less Than Significant Impact. Liquefaction is a phenomenon in which loosely deposited, granular soils and fine-grained soils located below the water table undergo rapid loss of shear strength when subjected to strong earthquake-induced ground shaking. Ground shaking of sufficient duration can result in a loss of grain-to-grain contact due to a rapid rise in pore water pressure causing the soul to behave as a fluid for a short period. Liquefaction is known generally to occur in saturated or near-saturated cohesionless soils at depths shallower than 50 feet below the ground surface. Factors known to influence liquefaction potential include composition and thickness of soil layers, grain size, relative density, degree of saturation, groundwater level, and both duration and intensity of ground shaking.

According to the City's General Plan, liquefaction typically occurs in areas where the groundwater is less than 30 feet from the ground surface and where the soils are composed of predominantly poorly consolidated fine sand. The Seismic Hazard Evaluation Report for the San Dimas Quadrangle, where the Project is located, indicates that the Project Site does not lie within a designated Liquefaction Hazards Zone. In addition, the depth to historic high groundwater is reported to be approximately 180 feet below grade (Giles, 2021). Based on these conditions, liquefaction is not expected to occur. Further, compliance with the 2019 CBC and the CGS Special Publications 117, Guidelines for Evaluating and Mitigating Seismic Hazards in California, would reduce impacts from liquefaction within the Project Site to maximum extent possible under currently accepted engineering practices. These engineering practices could include densification of soils, soil reinforcement, and drainage/dewatering to reduce pore water pressure within the soil. Therefore, the Project would result in a less than significant impact related to liquefaction. No mitigation is required.

iv) **Landslides?**

Less Than Significant Impact. Earthquake-induced landslides often occur in areas where previous landslides have moved and in areas where the topographic, geologic, geotechnical and subsurface groundwater conditions are conducive to permanent ground displacements. Based on a review of the soil conditions, site plan and building setbacks, landslides are not anticipated to occur (Giles, 2021). As such, a less than significant impact would occur in this regard. No mitigation is required.

b) **Result in substantial soil erosion or the loss of topsoil?**

Less Than Significant Impact. Soil erosion refers to the process by which soil or earth material is loosened or dissolved and removed from its original location. Erosion can occur by varying processes and may occur in a project area where bare soil is exposed to wind or moving water (both rainfall and surface runoff). The processes of erosion are generally a function of material type, terrain steepness, rainfall or irrigation levels, surface drainage conditions, and general land uses. Topsoil is used to cover surface areas for the establishment and maintenance of vegetation due to its high concentrations of organic matter and microorganisms.

Construction activities associated with the Project would result in ground surface disruption during excavation, grading, and trenching that would create the potential for erosion to occur. The Project would include approximately 11,500 cubic yards of cut and approximately 3,500 cubic yards of fill, resulting in approximately 8,000 cubic yards of soil export. Wind erosion would be minimized through soil stabilization measures required by the SCAQMD Rule 403 (Fugitive Dust), such as daily watering. Potential for water erosion would be reduced by implementation of standard erosion control measures imposed during site preparation and grading activities. As discussed in more detail in Section X, *Hydrology and Water Quality*, the Project would be subject to all existing regulations associated with the protection of water quality. Construction activities would be carried out in accordance with applicable City standard erosion control practices required pursuant to the 2019 CBC and the requirements of the National Pollutant Discharge Elimination Systems (NPDES) General Construction Permit issued by the LARWQCB, as applicable. Consistent with these requirements, a Stormwater Pollution Prevention Plan (SWPPP) would be prepared that incorporates best management practices (BMPs) to control water erosion during the construction phase of the Project. Therefore, with compliance with applicable regulatory requirements, impacts regarding soil erosion or the loss of topsoil would be less than significant. No mitigation is required.

c) **Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the Project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?**

Less than Significant Impact. As previously discussed under Responses VII.a.iii and VII.a.iv above, liquefaction and landslide hazards were concluded to be less than significant. Lateral spreading is the downslope movement of surface sediment due to liquefaction in a subsurface layer. The downslope movement is due to the combination of gravity and earthquake shaking. Such movement can occur on slope gradients of as little as one degree. Lateral spreading typically damages pipelines, utilities, bridges, and structures. Lateral spreading of the ground surface during a seismic activity usually occurs along the weak shear zones within a liquefiable soil layer and has been observed to generally take place toward a free face (i.e., retaining wall, slope, or channel) and to a lesser extent on ground surfaces with a very gentle slope. As stated under Response VII.a.iii, the Project Site does not lie within a designated Liquefaction Hazards Zone and the depth to historic high groundwater is reported to be approximately 180 feet below grade (Giles, 2021). Further, due to the absence of any channel, slope, or river within the Project Site, the potential for lateral spreading occurring on or off the Project Site is considered to be low.

Subsidence occurs when a void is located or created underneath a surface, causing the surface to collapse. Common causes of subsidence include withdrawal of groundwater or oil resources or wells beneath a surface. As no oil wells are located within the Project Site, subsidence associated with extraction activities is not anticipated.

Conformance to the 2019 CBC and the CGS Special Publications 117, Guidelines for Evaluating and Mitigating Seismic Hazards in California would reduce impacts from stability hazards within the Project Site to the maximum extent possible under currently accepted engineering practices. These engineering practices could include densification of soils, soil reinforcement, and drainage/dewatering to reduce pore water pressure within the soil. As such, implementation of the Project would result in less than significant impacts related to geological stability hazards. No mitigation is required.

d) **Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?**

Less than Significant Impact. Soils with shrink-swell or expansive properties typically occur in fine-grained sediments and cause damage through volume changes as a result of a wetting and drying process. Structural damage may occur over a long period of time, usually the result of inadequate soil. Near surface soils on the Project Site have a very low expansion potential (Giles, 2021). Although not anticipated, expansive soils, if encountered within the Project Site, would be removed and/or replaced as part of standard construction practices pursuant to the City and the 2019 CBC building requirements. Therefore, implementation of the Project would result in less than significant impacts associated with expansive soils and substantial risks to life or property would not occur. No mitigation is required.

e) **Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?**

No Impact. The Project Site is located in an urbanized area where municipal wastewater infrastructure currently exists. The Project would connect to existing infrastructure and would not use septic tanks or alternative waste water disposal systems. Therefore, no impact would occur in this regard.

f) **Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?**

No Impact. The Paleontological Resources Assessment did not identify the presence of paleontological resources or paleontologically sensitivity geologic units within the Project Site. Based on the Geotechnical Report, a layer of artificial fill was identified as extending from the Project Site's surface to a depth of 6 feet bgs (Giles, 2021). Artificial fill has no paleontological potential. Therefore, excavations within the fill would not impact paleontological resources. The fill is underlain to a depth of 36 feet by Holocene-age Quaternary alluvium, which has low potential to contain paleontological resources. Project-related ground disturbance would extend to a depth of only 4 feet within the Quaternary alluvium. Given the low potential of the Quaternary

alluvium and the relatively shallow excavations within intact sediments, Project-related ground disturbance is not likely to encounter and impact unique paleontological resources or unique geologic features. As such, no impact would occur in this regard.

References

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Greenhouse Gas Emissions

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
VIII. GREENHOUSE GAS EMISSIONS — Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

Discussion

Would the Project:

a) **Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?**

Less than Significant Impact. Gases that trap heat in the atmosphere are called greenhouse gases (GHGs). The major concern with GHGs is that increases in their concentrations are causing global climate change. Global climate change is a change in the average weather on Earth that can be measured by wind patterns, storms, precipitation, and temperature. Although there is disagreement as to the rate of global climate change and the extent of the impacts attributable to human activities, most in the scientific community agree that there is a direct link between increased emissions of GHGs and long term global temperature increases.

The State defines GHGs as carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), sulfur hexafluoride (SF_6), perfluorocarbons (PFCs), and hydrofluorocarbons (HFCs). Because different GHGs have different global warming potentials (GWPs) and CO_2 is the most common reference gas for climate change, GHG emissions are often quantified and reported as CO_2 equivalents (CO_2e). For example, CH_4 has a GWP of 25 (over a 100-year period); therefore, one metric ton (MT) of CH_4 is equivalent to 25 MT of CO_2 equivalents ($MTCO_2e$). The GWP ratios are available from the United Nations Intergovernmental Panel on Climate Change (IPCC) and are published in the *Fourth Assessment Report* (AR4). By applying the GWP ratios, project-related CO_2e emissions can be tabulated in metric tons (MT) per year. Large emission sources are reported in million metric tons (MMT) of CO_2e.[2]

Some of the potential effects in California of global warming may include loss in snow pack, sea level rise, more extreme heat days per year, more high ozone days, more forest fires, and more drought years (CARB, 2008). Globally, climate change has the potential to impact numerous environmental resources through potential, though uncertain, impacts related to future air temperatures and precipitation patterns. The projected effects of global warming on weather and

[2] A metric ton is 1,000 kilograms; it is equal to approximately 1.1 U.S. tons and approximately 2,204.6 pounds.

climate are likely to vary regionally, but are expected to include the following direct effects (IPCC, 2001):

- Higher maximum temperatures and more hot days over nearly all land areas;
- Higher minimum temperatures, fewer cold days and frost days over nearly all land areas;
- Reduced diurnal temperature range over most land areas;
- Increase of heat index over land areas; and
- More intense precipitation events.

Also, there are many secondary effects that are projected to result from global warming, including global rise in sea level, impacts to agriculture, changes in disease vectors, and changes in habitat and biodiversity. While the possible outcomes and the feedback mechanisms involved are not fully understood and much research remains to be done, the potential for substantial environmental, social, and economic consequences over the long term may be great. In the most recent IPCC *Sixth Assessment Report, Summary for Policy Makers*, it states "It is unequivocal that human influence has warmed the atmosphere, ocean, and land" (IPCC, 2021).

California produced 418.2 $MMTCO_2e$ in 2019, the latest year for which data are available from CARB. Combustion of fossil fuel in the transportation sector was the single largest source of California's GHG emissions in 2019, accounting for approximately 40 percent of total GHG emissions in the state. This sector was followed by the industrial sector (21 percent) and the electric power sector (including both in-state and out-of-state sources) (14 percent) (CARB, 2021).

Impacts of GHGs are borne globally, as opposed to localized air quality effects of criteria air pollutants and toxic air contaminants. The quantity of GHGs that it takes to ultimately result in climate change is not precisely known; however, it is clear that the quantity is enormous, and no single project would measurably contribute to a noticeable incremental change in the global average temperature, or to global, local, or micro climates. From the standpoint of CEQA, GHG impacts to global climate change are inherently cumulative.

The City has not adopted a threshold of significance for GHG emissions that would be applicable to the Project. In December 2008, the SCAQMD adopted a 10,000 $MTCO_2e$ per year significance threshold for industrial facilities for projects in which the SCAQMD is the lead agency. Although SCAQMD has not formally adopted a significance threshold for GHG emissions generated by a project for which SCAQMD is not the lead agency, or a uniform methodology for analyzing impacts related to GHG emissions on global climate change, in the absence of any industry-wide accepted standards, the SCAQMD's significance threshold of 10,000 $MTCO_2e$ per year for projects is the most relevant air district-adopted GHG significance threshold and is used as a benchmark for the Project. It should be noted that the SCAQMD's significance threshold of 10,000 $MTCO_2e$ per year for industrial projects is intended for long-term operational GHG emissions. The SCAQMD has developed guidance for the determination of the significance of GHG construction emissions that recommends that total emissions from construction be

amortized over an assumed project lifetime of 30 years and added to operational emissions and then compared to the threshold (SCAQMD, 2008).

The justification for the threshold is provided in SCAQMD's *Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans* ("SCAQMD Interim GHG Threshold"). The SCAQMD Interim GHG Threshold identifies a screening threshold to determine whether additional analysis is required. As stated by the SCAQMD:

> *"…the…screening level for stationary sources is based on an emission capture rate of 90 percent for all new or modified projects…the policy objective of [SCAQMD's] recommended interim GHG significance threshold proposal is to achieve an emission capture rate of 90 percent of all new or modified stationary source projects. A GHG significance threshold based on a 90 percent emission capture rate may be more appropriate to address the long-term adverse impacts associated with global climate change because most projects will be required to implement GHG reduction measures. Further, a 90 percent emission capture rate sets the emission threshold low enough to capture a substantial fraction of future stationary source projects that will be constructed to accommodate future statewide population and economic growth, while setting the emission threshold high enough to exclude small projects that will in aggregate contribute a relatively small fraction of the cumulative statewide GHG emissions. This assertion is based on the fact that [SCAQMD] staff estimates that these GHG emissions would account for slightly less than one percent of future 2050 statewide GHG emissions target (85 [MMTCO$_2$e per year]). In addition, these small projects may be subject to future applicable GHG control regulations that would further reduce their overall future contribution to the statewide GHG inventory. Finally, these small sources are already subject to [Best Available Control Technology (BACT)] for criteria pollutants and are more likely to be single-permit facilities, so they are more likely to have few opportunities readily available to reduce GHG emissions from other parts of their facility."*

The SCAQMD has applied its 10,000 MTCO$_2$e per year significance threshold in such a way that GHG emissions covered by the Cap-and-Trade Program do not constitute emissions that must be measured against the threshold.[3] However, for purposes of analysis in this Draft IS/MND, the GHG emissions from all of the Project's GHG emissions sources are included in the GHG emissions and are measured against the 10,000 MTCO$_2$e per year significance threshold. Thus, as explained above, based on guidance from the SCAQMD, if an industrial project would emit GHGs less than 10,000 MTCO$_2$e per year, the project would not be considered a substantial GHG emitter and GHG emission impact would be less than significant, requiring no additional analysis and no mitigation.

[3] For example, the SJVAPCD "determined that GHG emissions increases that are covered under CARB's Cap-and-Trade regulation cannot constitute significant increases under CEQA …" (SJVAPCD 2014). Furthermore, the SCAQMD has taken this position in CEQA documents it has produced as a lead agency. The SCAQMD has prepared three Negative Declarations and one Draft EIR that demonstrate the SCAQMD has applied its 10,000 MTCO$_2$e/year significance threshold in such a way that GHG emissions covered by the Cap-and-Trade Program do not constitute emissions that must be measured against the threshold (SCAQMD 2014a, 2014b, 2014c, 2015).

CEQA Guidelines 15064.4 (b)(1) states that a lead agency may use a model or methodology to quantify GHGs associated with a project. In May 2021, the SCAQMD in conjunction with California Air Pollution Control Officers Association (CAPCOA) released the latest version of the CalEEMod (Version 2020.4.0). The purpose of this model is to estimate construction-source and operational-source emissions from direct and indirect sources. Accordingly, the latest version of CalEEMod has been used for the Project to estimate the Project's emission impacts (**Appendix A**, of this Draft IS/MND).

Construction Emissions

Construction activities associated with the Project would result in emissions of CO_2 and to a lesser extent CH_4 and N_2O. Construction-period GHG emissions were quantified based on the same construction schedule, activities, and equipment list as described in **Appendix A**, of this Draft IS/MND. It is assumed that all construction equipment would be Tier 3. To amortize the emissions over the life of the Project, the SCAQMD recommends calculating the total GHG emissions attributable to construction activities, dividing it by the 30-year project life, and then adding that number to a project's annual operational-phase GHG emissions. As such, construction emissions were amortized over a 30-year period, and impacts would be less than significant during construction. No mitigation is required.

Operational Emissions

As described above in Section III*, Air Quality*, during operation of the Project, there would only be an estimated two full time employees to operate the Public Storage facility. It is anticipated that operational activities would be limited to periodic landscaping and maintenance and trips by customers of the Public Storage. As such, the Project's facilities would not require a substantial increase in the number of employees. Energy usage, water usage, and waste would be minimal as the Project would use LED lighting outdoors for security purposes, result in negligible estimated water use from two single occupancy restrooms, the janitor's closet, the sink in the employee break room, fire sprinklers, and the drought tolerant landscaping, and require customers of the Public Storage to dispose of their own waste off-site (see Sections 2.5.4 *Signage and Lighting*; 2.5.6 *Water/Solid Waste Generation*). It is assumed that there would be only waste from the office space so waste emissions from the warehouse land use is excluded from Table VIII-1. Therefore, impacts to GHG emissions during operation would be considered less than significant. No mitigation is required.

Existing Emissions

The Project would replace an existing electronics manufacturing building. Existing emissions were estimated to be approximately 579 $MTCO_2e$ per year as summarized in **Table VIII-1**, *Annual Project Greenhouse Gas Emissions* (**Appendix A**, of this Draft IS/MND).

Emissions Summary

The annual GHG emissions for the Project were estimated to be approximately 551 $MTCO_2e$ per year as summarized in Table VIII-1. The net Project emissions (direct and indirect emissions) are compared with the SCAQMD proposed screening level for industrial/stationary source projects,

which is 10,000 $MTCO_2e$. As shown in Table VIII-1, the Project would result in a less than significant impact with respect to GHG emissions. No mitigation is required.

TABLE VIII-1
ANNUAL PROJECT GREENHOUSE GAS EMISSIONS

Emission Source	Total $MTCO_2e$/year
Amortized construction emissions	10
Mobile	269
Energy (Electricity)	131
Area	<1
Water Conveyance	140
Solid Waste	<1
Project Subtotal	**551**
Existing	579
Project Net Total GHG Emissions	**(28)**
Significance Threshold	**10,000**
Threshold Exceeded?	**No**

SOURCE: **Appendix A**, of this Draft IS/MND. ESA 2022.

b) **Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?**

Less than Significant Impact. A significant impact would occur if the Project would generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment by conflicting with applicable regulatory plans and policies to reduce GHG emissions as discussed within CARB's Climate Change Scoping Plan and City's Energy Action Plan.

The CARB Scoping Plan Update focused on establishing a greenhouse gas reduction target of 40 percent below 1990 levels by 2030. The Project would construct a Public Storage facility and replace an electronics manufacturing building. As shown in Table VIII-1, the Project would result in fewer GHG emissions compared to the existing use and would be well below the 10,000 MTCO2e per year threshold. The Project would result in a minimal water demand for two single occupancy restrooms, a janitor's closet, the sink included in the employee break room, fire sprinklers, and the drought tolerant landscaping. All landscape areas would be irrigated with an automatic smart irrigation control system with a dedicated water meter. Energy demand from the Project would result in less GHG emissions compared to the existing use (**Appendix A**, of this Draft IS/MND). Because the CARB Scoping Plan requires a suite of strategies across multiple sectors to achieve the GHG reduction targets, the Project would be consistent with the CARB Scoping Plan for water efficiency and energy use.

The City's Energy Action Plan Update aims to reduce greenhouse gas emissions consistent with the State's emission reduction targets for 2020 and 2030. The City's strategy to achieve these goals is structured around four key strategy topics: electricity, natural gas, and water efficiency; municipal operations; employee & department engagement; and partnership and regional

engagement. These strategies will reduce energy usage at the City's municipal facilities, which will in turn decrease GHG emissions in the City (Covina, 2019). As stated above, the Project would result in minimal water demand for the two single occupancy restrooms, the janitor's closet, the sink included in the employee break room, fire sprinklers, and the drought tolerant landscaping. All landscape areas would be irrigated with an automatic smart irrigation control system with a dedicated water meter. Additionally, the Project would decrease the demand for natural gas resources because the Project would not use natural gas or be connected to the natural gas system. As the Project would be a less energy intensive use than the existing electronics manufacturing building, the energy demand for the Project would result in less GHG emissions compared to the existing conditions (**Appendix A**, of this Draft IS/MND). Therefore, the Project would be consistent with the City's Energy Action Plan Update for water efficiency and energy use.

Overall, as the Project would be consistent with CARB's Climate Change Scoping Plan and City's Energy Action Plan Update, the Project would not conflict with an applicable plan, policy, or regulation to reduce GHG emissions. As such, impacts would be considered less than significant. No mitigation is required.

References

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SCAQMD, 2014c. *Final Negative Declaration for Ultramar Inc. Wilmington Refinery Cogeneration Project*. State Clearinghouse No. 2012041014, October.

SCAQMD, 2015. *Final Environmental Impact Report for the Breitburn Santa Fe Springs Blocks 400/700 Upgrade Project*. State Clearinghouse No. 2014121014, August.

Hazards and Hazardous Materials

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
IX. HAZARDS AND HAZARDOUS MATERIALS — Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☒	☐	☐
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?	☐	☐	☒	☐

Discussion

The following analysis is based, in part, on the *Phase I Environmental Site Assessment, conducted on CA21222, 1330 East Cypress Street, Covina, California* (Phase I) (Apex, 2021), located in **Appendix E**, of this Draft IS/MND.

Would the Project:

a) **Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?**

b) **Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?**

Less Than Significant Impact (a-b).

Construction

During the construction of the Project, construction equipment and materials would include fuels, oils and lubricants, solvents and cleaners, cements and adhesives, paints and thinners, degreasers, cement and concrete, and asphalt mixtures, which are all commonly used in construction. Routine uses of any of these substances could pose a hazard to people or the environment and would be considered potentially significant.

Construction activities would be required to comply with numerous hazardous materials regulations designed to ensure that hazardous materials are transported, used, stored, and disposed of in a safe manner to protect worker safety, and to reduce the potential for a release of construction-related fuels or other hazardous materials into the environment, including stormwater and downstream receiving water bodies. The Project Contractor(s) would be required to prepare and implement Hazardous Materials Business Plan (HMBP) that would require that hazardous materials used for construction would be used properly and stored in appropriate containers with secondary containment to contain a potential release. In the County, HMBPs are submitted to the local Certified Unified Program Agency (CUPA), which in this case would be the Los Angeles County Fire Department Health Hazardous Materials Divisions (LACFD HHMD), for their review for compliance with hazardous materials regulations. The California Fire Code (CFC) would also require measures for the safe storage and handling of hazardous materials, which are included in the CUPA review of HMBPs.

The Project Contractor(s) would be required to prepare a SWPPP for construction activities according to the NPDES General Construction Permit requirements. The SWPPP would list the hazardous materials (including petroleum products) proposed for use during construction; describe spill prevention measures, equipment inspections, equipment and fuel storage; protocols for responding immediately to spills; and describe BMPs for controlling site runoff. The SWPPP would be submitted to the Los Angeles Regional Water Quality Control Board (LARWQCB), which would review both the SWPPP and the required inspection reports for compliance with the Construction General Permit.

In addition, the transportation of hazardous materials would be regulated by the U.S. Department of Transportation (USDOT), Caltrans, and the California Highway Patrol (CHP). Together, federal and state agencies determine driver-training requirements, load labeling procedures, and container specifications designed to minimize the risk of accidental release. In the event of a spill that releases hazardous materials at the Project Site, a coordinated response would occur at the federal, State, and local levels. The LACFD HHMD is the local hazardous materials response team. In the event of a hazardous materials spill, the LACFD and Covina Police Department (CPD) would be simultaneously notified and sent to the scene to respond and assess the situation.

Finally, demolition of the Project would include removal of 55,321 SF of the existing 2-story commercial building and the existing pavement and base materials in the parking lot. The existing building may include hazardous building materials, such as asbestos-containing material (ACM), lead-based paint (LBP), Polychlorinated byphenyls (PCBs), mercury, and Freon. If improperly managed, the demolition activities could result in exposures to construction workers, the public, and the environment.

Numerous existing regulations require that demolition and renovation activities that may disturb or require the removal of materials that consist of, contain, or are coated with ACM, LBP, PCBs, mercury, Freon, and other hazardous materials must be inspected and/or tested for the presence of hazardous materials. If present, the hazardous materials must be managed and disposed of in accordance with applicable laws and regulations. Compliance with existing regulations is a condition of demolition and construction permits.

In the case of ACM and LBP, all work must be conducted by a State-certified professional, which would ensure compliance with all applicable regulations. If ACM and/or LBP are determined to exist onsite, a site-specific hazard control plan must be prepared detailing removal methods and specific instructions for providing protective clothing and equipment for abatement personnel. A State-certified LBP and/or an ACM removal contractor would be retained to conduct the appropriate abatement measures as required by the plan. Wastes from abatement and demolition activities would be disposed of at a landfill permitted to accept such waste. Once all abatement measures have been implemented, the Project Contractor(s) would conduct a clearance examination and provide written documentation to the appropriate regulatory agency documenting that testing and abatement have been completed in accordance with all federal, State, and local laws and regulations.

Equipment and materials with PCBs, mercury, and Freon, are managed thru the Universal Waste Rule. In the case of PCBs, electrical transformers and older fluorescent light ballasts not previously tested and verified to not contain PCBs must be tested. If PCBs are detected above action levels, the materials must be disposed of at a licensed facility permitted to accept the materials. In the case of mercury in fluorescent light tubes and switches, the identification, removal, and disposal of the materials must be removed without breakage and disposed of at a licensed facility permitted to accept the materials. In the case of Freon or other refrigerants, the refrigerants must be directed to licensed recycling and reuse facilities permitted to handle the refrigerants.

Compliance with the numerous laws and regulations discussed above that govern the transportation, use, handling, and disposal of hazardous building materials would limit the potential for impacts due to the transportation, use, handling, disposal, or accidental release of hazardous building materials. As such, impacts would be less than significant in this regard. No mitigation is required.

Operation

Lessees of the mini-warehouse units enter into an agreement with Public Storage that specifies hazardous materials are not permitted to be stored on the premises and that the premises shall not be used in any manner that will constitute a hazard, waste, nuisance or unreasonable annoyance to others.

The types and amounts of hazardous materials that would be used in connection with operation of the Project would include typical housekeeping and janitorial products (e.g., cleaning solutions, solvents, pesticides for landscaping, painting supplies, and petroleum products). The routine use and disposal of normal household products is not considered to create a significant hazard to the

public or the environment. These substances are not stored or utilized in high concentrations and would be handled in accordance with their proper use and all applicable federal, State, and local regulations.

Compliance with the numerous laws and regulations discussed above that govern the transportation, use, handling, and disposal of hazardous materials would limit the potential for impacts due to the transportation, use, handling, disposal, or accidental release of hazardous materials. As such, impacts would be less than significant in this regard. No mitigation is required.

c) **Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?**

Less Than Significant Impact. There is one school within .25 miles of the Project Site; the Charter Oak High School (located at 1430 East Covina Boulevard) is immediately adjacent to the Project Site, across East Cypress Street to the northwest.

Construction activities associated with the Project would include the handling of hazardous materials, as discussed above. The route to the construction site would pass by the Charter Oak High School. The accidental release or spill of hazardous materials transported near the Charter Oak High School could expose school children, school staff, and workers to hazardous materials. Further, the prolonged use of construction equipment could produce hazardous emissions as the construction site is near the Charter Oak High School. Although the Project Site is within .25 miles of the school, as discussed above, there are numerous regulations covering the transportation, use, storage, and disposal of hazardous materials during construction activities. The required compliance with these regulations would ensure that nearby schools would not be exposed to hazardous materials, and the impacts would be less than significant. No mitigation is required.

d) **Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?**

Less than Significant Impact with Mitigation Incorporated. A review of the State Water Resources Control Board (SWRCB) GeoTracker online database and the Department of Toxic Substances Control (DTSC) EnviroStor online database revealed that the Project Site is not included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 (SWRCB, 2022; DTSC, 2022). Apex Companies (Apex) performed a Phase I Environmental Site Assessment (ESA) at the Project Site in June 2021, and while the Project Site itself is not included on a list of hazardous materials sites, the west adjoining 76 Products Station #5012/Union Oil Service Station/Covina Auto Repair & Service (located at 856 Glendora Avenue) is the site of a former Leaking Underground Storage Tank (LUST). APEX The site formerly operated as a gas station with two gasoline and one waste oil USTs with an industrial waste permit. All USTs were installed in 1963 and were of single-walled carbon steel construction. A release was discovered during the removal of the USTs on March 16, 1990 and affected soil only. The incident received closure as of June 18, 1991. No further information was

identified regarding the UST incident (APEX, 2021). As this site has been remediated and closed, it is considered a historic recognized environmental condition.

The Phase I ESA further determined that there are three recognized environmental conditions at the Project Site. One such condition includes the historic use of chlorinated solvents between the late 1970s and early 1990s (Apex, 2021). Additionally, Speedy Drycleaners (located on the west adjoining property) could have and/or are currently utilizing chlorinated solvents onsite (Apex, 2021). Lastly, a Tier 1 Vapor Encroachment Screen (in accordance with ASTM Standard E2600-15) was conducted by Apex due to the on and off-site conditions; based on the screening, Apex determined that a vapor encroachment condition does exist at the Project Site (Apex, 2021).

Construction

The construction activities within the Project Site would include the excavation of soil or removal of groundwater (dewatering). Construction of the Project involve the excavation of soils or extraction of groundwater from a site with existing contamination, and the contaminated materials are improperly handled, it could expose construction workers, the public, and the environment to hazardous materials. This would be a potentially significant impact.

As discussed above, there are numerous regulations covering the transportation, use, storage, and disposal of hazardous materials during construction activities. The required compliance with these regulations would reduce the exposure to hazardous materials. However, in order to ensure Project excavation would not encounter existing contamination and inadvertently expose construction personnel, the public, or the environment, the Project Applicant shall implement Mitigation Measures **HAZ-1** through **HAZ-3**, as described below.

Mitigation Measures:

HAZ-1: Soil Vapor Sampling: Prior to start of ground-disturbing activities, including grading, trenching, or excavation, or structure demolition, soil vapor sampling shall be performed to determine the extent of the vapor encroachment condition that exists at the Project Site. The results of the soil vapor sampling shall be submitted to the local overseeing agency and any required remediation or further delineation of identified contamination shall be completed prior to commencement of construction.

HAZ-2: Health and Safety Plan: Prior to the start of ground-disturbing activities, including grading, trenching, or excavation, or structure demolition, the Project Applicant shall require that the Project Contractor(s) retain a qualified professional to prepare a site-specific health and safety plan (HASP) in accordance with federal Occupational Safety and Health Administration regulations (29 CFR 1910.120) and California Occupational Safety and Health Administration regulations (8 CCR Section 5192).

The HASP shall be implemented by the Project Contractor(s) to protect construction workers, the public, and the environment during all ground-disturbing and structure demolition activities. The HASP shall include designation of a site health and safety officer, a summary of the anticipated risks, a description of personal protective equipment

and decontamination procedures, and procedures to follow if evidence of potential soil or groundwater contamination is encountered.

HAZ-3: Soil Management Plan: In support of the HASP described in HAZ-2, the Project Applicant shall require that the Project Contractor(s) develop and implement a Soil Management Plan (SMP) for the management of potentially contaminated soil before any ground-disturbing activity. The SGMP shall describe the hazardous materials that may be encountered, the roles and responsibilities of on-site workers and supervisors, training for site workers focused on the recognition of and response to encountering hazardous materials, and protocols for the materials (soil) testing, handling, removing, transporting, and disposing of all excavated materials in a safe, appropriate, and lawful manner.

Operation

Once constructed, contaminated materials associated with implementation of PMAs would have been removed and/or treated, people and the environment would not be exposed to hazardous materials, and this impact would be less than significant. No mitigation is required.

e) **For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the Project result in a safety hazard or excessive noise for people residing or working in the Project area?**

No Impact. There are no airports within two miles of the Project Site. As such, the Project Site is not within any delineated safety or noise hazard zones. The Project would not result in a safety hazard or excessive noise. No impact would occur in this regard.

f) **Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?**

Less Than Significant Impact.

Construction

The Hazard Mitigation Plan for the Covina does not specifically delineate evacuation routes to be utilized during an emergency (Covina, 2019).

The Project Site is located in an established urban area that is well served by the surrounding roadway network. While it is expected that the majority of construction activities associated with the Project would be mostly confined on-site, construction activities may involve temporary lane closures along roadways adjacent to the Project Site while curbside improvements are being made (e.g., sidewalks, driveways, underground facilities and infrastructure). However, through-access for drivers, including emergency personnel, along all roadways will still be provided. In these instances, the Project Contractor(s) would implement traffic control measures (e.g., construction flagmen, signage, etc.) consistent with required City encroachment permit(s) to maintain flow and access. Furthermore, in accordance with the City's Public Works Department, the Project

Contractor(s) would develop a Construction Management Plan, subject to City review and approval, that includes designation of a haul routes to ensure that adequate emergency access is maintained during construction. Therefore, Project construction is not expected to impair or interfere with an established emergency response or evacuation plan, and the construction impacts would be less than significant. No mitigation is required.

Operation

With respect to operation of the Project, the LACFD, which provides fire and paramedic services for the City, and other relevant City departments would review the final design and on-site circulation of the Project, to ensure that there is no interference with an emergency response or evacuation plan. Therefore, operation of the Project is not expected to interfere or impair an emergency response or evacuation plan, and the operational impact would be less than significant. No mitigation is required.

g) **Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?**

Less Than Significant Impact. The California Department of Forestry and Fire Protection (CAL FIRE) Fire and Resource Assessment Program (FRAP) published Fire Hazard Severity Zone (FHSZ) maps. According to the map of Very Fire Hazard Severity Zones (VHFHSZ) in Local Responsibility Area (LRA) for the City, the Project Site is not within a VHFHSZ (CAL FIRE, 2011).

The Project would require construction during development, which, if unregulated, could lead to fire ignition. Nevertheless, all construction activities would be required to comply with all applicable fire protection and prevention regulations specified in the CFC, Hazardous Materials Transportation regulations, and Cal/OSHA regulations. These requirements include various measures such as accessibility of firefighting equipment, proper storage of combustible liquids, no smoking in service and refueling areas, and worker training for firefighter extinguisher use. Compliance with all applicable laws and regulations would further minimize the potential for construction activities to cause a wildland fire.

In addition, facilities that use or store hazardous and flammable materials would be required to comply with all applicable fire codes and fire protection requirements established by the CFC, Hazardous Materials Transportation regulations, and Cal/OSHA requirements. As such, operation of the Project would not substantially increase the risk of wildland fires within the Project Site.

For these reasons, the Project would not expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires, and thus this impact is considered less than significant. No mitigation is required.

References

Apex Companies, LLC (Apex), 2021. Phase I Environmental Site Assessment (conducted on CA21222, 1330 East Cypress Street, Covina, California. Apex Project No. 25021-021079.00. June 9, 2021.

California Department of Forestry and Fire Protection (CAL FIRE), 2011. Very High Fire Hazard Severity Zones in LRA for the City of Covina. Map. Scale 1:12,000.

Covina, 2019. City of Covina, Hazard Mitigation Plan, November 26, 2019.

DTSC, 2022. Department of Toxic Substances Control, 2022. EnviroStor online database, records for sites in proximity to 1330 Cypress Street, Covina, CA.

SWRCB, 2022. State Water Resources Control Board, 2022. GeoTracker online database, records for sites in proximity to 1330 Cypress Street, Covina, CA.

Hydrology and Water Quality

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
X. HYDROLOGY AND WATER QUALITY — Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
i) result in substantial erosion or siltation on- or off-site;	☐	☐	☒	☐
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☐	☐	☒
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☐	☒
iv) impede or redirect flood flows?	☐	☐	☒	☐
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☒	☐
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

Discussion

The Project Site is located in the San Gabriel River Watershed in the eastern portion of LARWQCB Water Quality Control Plan [Basin Plan] 2014. The Project Site is located in a highly urbanized area of the City predominately developed with residential, commercial, and school uses. The Project area is also located within the Wingate Park Regional Enhanced Watershed Management Plan (EWMP) upstream area, located approximately 0.10 miles southwest of the Project Site. As such, potential runoff could be collected downstream, treated and infiltrated, or released to Charter Oak Creek at Wingate Park. The Project Site is currently developed with an approximately 55,321 SF 2-story commercial building occupied by "TT Electronics Power Solutions" which is used for electronics manufacturing. The remainder of the Project Site consists of asphalt-paved surface parking lots and ornamental landscaped areas. A segment of Charter Oak Creek, consisting of a barren flood control channel conveying nuisance flow and storm runoff, is located approximately 680 feet to the south of the Project Site with residential housing occupying the area between the Project Site and the Creek.

The CWA authorizes the USEPA to regulate point sources that discharge pollutants into the waters of the United States under the NPDES permitting program. The EPA delegates the responsibility for the protection of surface water and groundwater quality to the State Water Resources Control Board and Regional Water Quality Control Boards. The Project is located within the jurisdiction of the LARWQCB which administer and enforces the Basin Plan policies and other water quality programs within the coastal watersheds of Los Angeles County. The City is currently covered by the following NPDES permits (Covina, 2022):

- Order No. R4-2021-0105 NPDES Permit No. CAS004004 Waste Discharge Requirements and NPDES Permit for Municipal Separate Storm Sewer System (MS4) Discharges within the Coastal Watersheds of Los Angeles and Ventura Counties.
- Order No. 2014-0057-DWQ: NPDES General Permit No. CAS000001 for Storm Water Discharges Associated with Industrial Activities.
- Order No. 2009-0009-DWQ (As amended by 2010-0014-DWQ and 2012-006-DWQ): NPDES General Permit No. CAS000002 for Storm Water Discharges Associated with Construction and Land Disturbance Activities.

Would the Project:

a) **Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?**

Less Than Significant Impact. The Project is the redevelopment of an existing industrial electronics manufacturing facility. The Project Site comprises of approximately 2.62 acres; approximately 94.8 percent of which are impervious surfaces. Construction of the Project could increase stormwater pollutants that could impair surface and groundwater through typical construction activities such as demolition, site preparation, grading and excavation, paving and landscaping. An increase in pollutants such as trash, fertilizers, cleaning agents, sediments, and spilled or leaked petroleum products on surface parking lots could violate water quality standards and waste discharge requirements set by the LARWQCB.

The Project would be constructed to match the existing drainage conditions (DRC Engineering, 2021). The City would design and construct any new facility upgrades to capture and convey stormwater runoff and pollution in accordance with the existing LA County NPDES permits. Consistent with these requirements, a SWPPP would be prepared that incorporates BMPs to control water erosion during the construction and operation of the Project.

Therefore, adherence to applicable local, state and federal water quality control plans and permits would reduce impacts to surface and groundwater quality. As such, impacts would be less than significant. No mitigation is required.

b) **Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the Project may impede sustainable groundwater management of the basin?**

Less Than Significant Impact. Covina Irrigating Company (CIC) is the primary water provider for the City. CIC's water supply is obtained from the Main San Gabriel Groundwater Basin and from the San Gabriel River. The CIC extracts groundwater and treats surface water from the Main San Gabriel Basin and delivers treated potable water to the City (Covina, 2017).

The Project involves the redevelopment of existing facilities within an urban setting into a Public Storage facility. The new facility would not increase the use of groundwater supplies nor would it result in impeding groundwater recharge. Therefore, it is not anticipated that any use of groundwater supplies at the new facility would be substantially different than existing conditions. As such, impacts would be less than significant. No mitigation is required.

c) **Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:**

i) **result in substantial erosion or siltation on- or off-site?**

Less Than Significant Impact. The Project would be constructed within a commercial property containing an existing building, comprising largely of impervious surfaces. There are no streams or rivers in the immediate vicinity of the Project Site. A segment of Charter Oak Creek, consisting of a barren flood control channel conveying nuisance flow and storm runoff, is located approximately 680 feet to the south of the Project Site with residential housing occupying the area between the Project Site and the Creek. Erosion and siltation could occur off-site from stormwater runoff due to excavation and stockpiling of soils on-site during construction. As described above, construction of facilities would be subject to provisions and conditions of applicable NPDES and SWPPP permits as well as BMPs and the Project would be designed to match existing drainage facilities.

Therefore, substantial erosion or siltation would not occur as a result of altering drainage patterns including streams and rivers or with the addition of impervious surfaces. As such, impacts would be less than significant. No mitigation is required.

ii) **substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?**

No Impact. The Project would replace one commercial facility with a new one. The Project is designed to convey 25-year peak runoff from the Project Site, and reduces the peak flowrate by approximately 12.1 percent (DRC Engineering, 2021). The proposed drainage pattern matches the existing drainage pattern that conveys stormwater to public storm drain facilities. In conclusion, the proposed condition improves upon the existing condition while maintaining existing drainage patterns. As such, no impact would occur.

iii) **create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?**

No Impact. Refer to Section c(ii) above.

iv) **impede or redirect flood flows?**

Less Than Significant Impact. Refer to Section c) above.

d) **In flood hazard, tsunami, or seiche zones, risk release of pollutants due to Project inundation?**

Less Than Significant Impact. The City, except for the area around Walnut Creek in Covina Hills, has not experienced major flooding problems in recent years due to the development of adequate flood control infrastructure. The City does not contain any Special Flood Hazard Areas, and is not located in a tsunami zone due to its distance from the Pacific Ocean. However, due to presence of the upstream Puddingstone Reservoir and Dam complex, and because the City lies in a seismically active region, the City could be susceptible to seiches, which could cause major flooding due to inadequate stormwater catchment and conveyance facilities (Covina, 2000).

As described throughout this section, the City would incorporate design features in the Project to match the existing facilities to adequate capture and convey the stormwater runoff. As such, impacts would be less than significant. No mitigation is required.

e) **Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?**

Less Than Significant Impact. Refer to Sections a) and b) above.

References

LARWQCB, 2014. Los Angeles County Regional Water Quality Control Board (LARWQCB) Water Quality Control Plan (Basin Plan) 2014. https://www.waterboards.ca.gov/losangeles/water_issues/programs/basin_plan/2020/Chapter_1/Chapter_1.pdf. Accessed April 2022.

Covina, 2020. City of Covina 2020 Urban Water Management Plan. May 2021.

Covina, 2022. City of Covina General plan, Safety Element, 2000. https://covinaca.gov/sites/default/files/fileattachments/planning_commission/page/1073/safety_element.pdf. Accessed April 2022.

Covina, 2022. Stormwater Pollution Prevention. 2022. https://covinaca.gov/publicworks/page/stormwater-pollution-prevention. Accessed April 2022.

DRC Engineering, 2021. Preliminary Hydrology Study for Public Storage.

Land Use and Planning

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XI. LAND USE AND PLANNING — Would the project:				
a) Physically divide an established community?	☐	☐	☒	☐
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

Discussion

Would the Project:

a) **Physically divide an established community?**

Less than Significant Impact. The Project Site is located within a highly urbanized area of the City predominately developed with residential, commercial, and school uses. The Project Site is currently developed with an approximately 55,321 SF 2-story commercial building occupied by "TT Electronics Power Solutions" which is used for electronics manufacturing. The remainder of the Project Site consists of asphalt-paved surface parking lots and ornamental landscaped areas. The Project would include demolition of the existing 2-story commercial building and the existing pavement and base materials in the parking lot. The Project consists of the development of a 141,984 SF 3-story public self-storage building. Project features would include a partial basement, a rental office, a temporary monopole cell tower, associated secured surface parking areas, pedestrian walkways, and landscaping. Compared to the existing and surrounding land uses, including single-family residences, commercial uses, industrial uses, and school uses, the land use density on the Project Site would be consistent with the current land use patterns within the City. Infill development would not create physical divisions within the established community. Further, it is expected that the majority of construction activities of the Project would be confined on-site and within the boundaries of the Project Site. All construction equipment would be stored in active grading areas and/or the proposed staging areas within the Project Site. Therefore, Project implementation would not physically divide an established community. As such, a less than significant impact would occur in this regard. No mitigation is required.

b) **Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?**

Less than Significant Impact. The Project consists of the development of a 141,984 SF 3-story public self-storage building (up to 30 feet and 7 inches in height) within a 2.70-acre site. The issuance of a SPR 21-160 for site development would be required. The existing zoning designation for the Project Site is M-1 (Light Manufacturing) which would require the issuance of CUP 21-29 for the proposed use of self-storage to be allowed. The existing general plan designation for the Project Site is General Industrial (GI). Permitted uses in the General Industrial (GI) land use designation include, but are not limited to, very limited retail functions, self-storage

outlets, and parking lots. Further, implementation of the Project would require Ordinance No. XXXXX for Development Agreement (DA) 22-001, approving and adopting a DA between Public Storage, Inc. and the City of Covina related to the proposed Public Storage facility and the conveyance of $315,000 for City-wide infrastructure improvements for property generally located at the Project Site. The proposed SPR 21-160, CUP 21-29, and DA 22-001 would not reduce or eliminate any environmentally protective regulations in the City's Zoning Ordinance or General Plan. Compared to the existing and surrounding land uses, including single-family residences, commercial uses, industrial uses, and school uses, the land use density on the Project Site would be consistent with the current land use patterns within the City. Upon approval of the Project and issuance of the SPR 21-160, CUP 21-29, and DA 22-001, the proposed Public Storage facility would be consistent with applicable land use plans, policies and regulations. For these reasons, a less than significant impact would occur in this regard. No mitigation is required.

References

City of Covina, 2000. Covina General Plan Land Use Element. Prepared by Covina Community Development Department Planning Division Staff, approved by Planning Commission on March 14, 2000 and approved by City Council on April 18, 2000.

Mineral Resources

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XII. MINERAL RESOURCES — Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒

Discussion

Would the Project:

a) **Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?**

b) **Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?**

No Impact (a-b). According to the City's General Plan Natural Resources and Open Space Element, there are currently no extractable mineral resources due to long-term urbanization (Covina, 2000). Further, the City's Zoning Code prohibits the extraction or production of aggregate mineral resources. In addition, the State Division of Oil and Gas has indicated that there are no significant energy-producing minerals or oil, gas, or geothermal fields within the City (DOC, 2010). Further, the Project Site is located in a highly urbanized area of the City and is currently developed with a 2-story building used for electronics manufacturing, asphalt-paved parking lots, and ornamental landscaped areas. Therefore, the potential for the loss of a known mineral or locally important mineral resource is low. As such, no impact would occur in this regard. No mitigation is required.

References

DOC, 2010. California Department of Conservation, San Gabriel Valley P-C Region Showing MRZ-2 (Mineral Resource Zone) Areas and Active Mine Operations. 2010.

Covina. 2000. City of Covina's General Plan, Natural Resources and Open Space Element, page D-9. Adopted April 18, 2000.

Noise

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XIII. NOISE — Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☒	☐	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

Discussion

Some land uses are considered more sensitive to ambient noise levels than others are, due to the amount of noise exposure (in terms of both exposure duration and insulation from noise) and the types of activities typically involved. Residential areas are considered to be the most sensitive type of land use to noise and industrial/commercial areas are considered to be the least sensitive.

Existing land uses on the Project Site and in the immediate vicinity include:

- On-site: an approximately 55,321 SF 2-story commercial building occupied by "TT Electronics Power Solutions" which is used for electronics manufacturing.
- To the north: East Cypress Street, single-family residences, and Charter Oak High School.
- To the east: Commercial uses (Ultra High End Audio, Sunny Components Inc., Grey Wash Gallery Tattoo, Cypress Animal Hospital) with residential uses beyond.
- To the south: Southern Pacific Railroad and single-family residences.
- To the west: Covina Auto Repair & Smog Services, HG Covina Market, Senor Baja Mexican Food, Domino's Pizza, El Fino Mexican Food, Fire Bird Liquor Store, and Glendora Avenue.

The Project Site is located between the Metrolink Pomona–North Station and the Covina Station. Based on the Metrolink train schedule (as of April 2022[4]), there are 17 trains traveling from the Pomona–North Station to the Covina Station and 17 trains traveling from the Covina Station to the Pomona–North Station. These trains would take less than one minute every time they pass by the Project Site. Combining the 34 train trips past the Project Site would constitute approximately 34 minutes each day that a Metrolink train contributes to noise at the Project Site. Given this relatively short duration in a day, the Metrolink trains would not provide much masking effect for other longer-lasting noise-generating activities in the Project area, such as vehicular traffic on

[4] Metrolink, Schedules, From/To Pomona–North and To/From Covina, Monday-Friday, https://metrolinktrains.com/schedules/?type=station&originId=185&destinationId=107&weekend=0. Accessed April 2022.

Project Site area roadways such as East Cypress Street and Glendora Avenue. Therefore, the predominant existing noise source on the Project Site and surrounding areas is traffic noise from East Cypress Street, Glendora Avenue and other local streets.

On January 11, 2022, short-term (15-minute duration) daytime ambient noise measurements were conducted at locations shown in **Figure XIII-1**, *Onsite Noise Monitoring Locations* and **Figure XIII-2**, *Offsite Noise Modeling Locations*, that represent the ambient noise environment at or in the vicinity of the Project Site at nearby noise sensitive receptor locations. A summary of noise measurements is provided in **Table XIII-1**, *Summary of Ambient Noise Measurements*, and details are included in **Appendix G**, of this Draft IS/MND. Average noise levels range from 57.2 decibels (dB) using the A-weighted sound pressure level (dBA) to 66.4 dBA L_{eq}. The representative ambient noise locations (R1 through R4) are described as follows:

- Measurement Location R1: Existing residences to the north of the Project Site, on the north side of East Cypress Street.
- Measurement Location R2: Existing residences to the south of the Project Site, on the south side of the railroad tracks.
- Measurement Location R3: Existing residences to the east and southeast of the Project Site, on the south side of the railroad tracks.
- Measurement Location R4: Existing noise environment near Charter Oak High School (near the baseball field, soccer field, and tennis courts) to the northeast of the Project Site, on the north side of East Cypress Street.

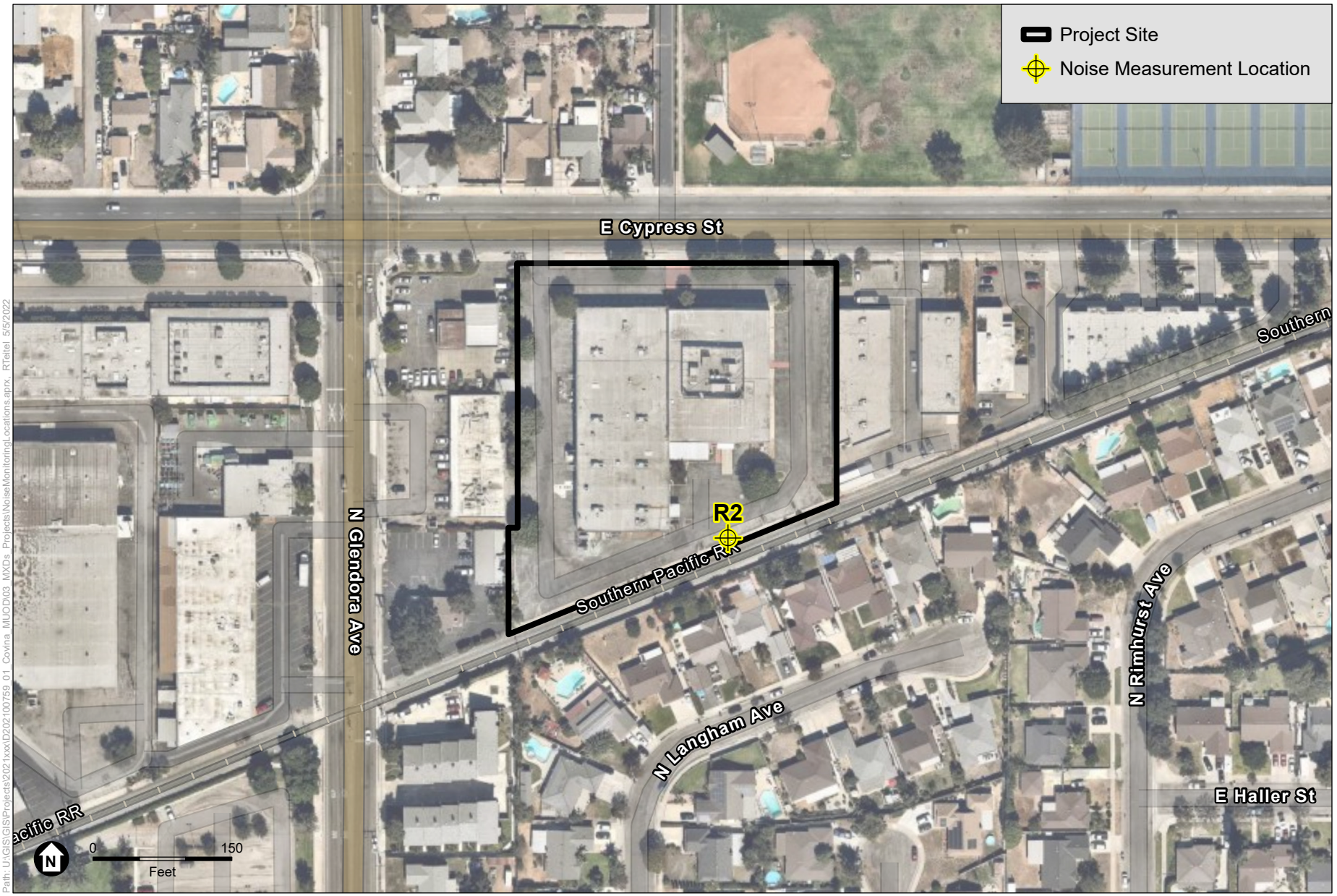
TABLE XIII-1
SUMMARY OF AMBIENT NOISE MEASUREMENTS

Measurement Location and Description of Sensitive Receptors	Duration	Average L_{eq}
R1, Residences North of Project Site	15 minutes	57.4
R2, Residences South of Project Site	15 minutes	66.4
R3, Residences East and Southeast of Project Site	15 minutes	65.8
R4, Near Charter Oak High School (near the baseball field, soccer field, and tennis courts) Northeast of Project Site	15 minutes	57.2

NOTE:

The ambient noise measurements were conducted using the Larson-Davis 820 Precision Integrated Sound Level Meter, which is a Type 1 standard instrument as defined in the American National Standard Institute S1.4. All instruments were calibrated and operated according to the applicable manufacturer specifications. The microphone was placed at a height of 5 feet above the local grade at the following locations.

SOURCE: ESA 2022.

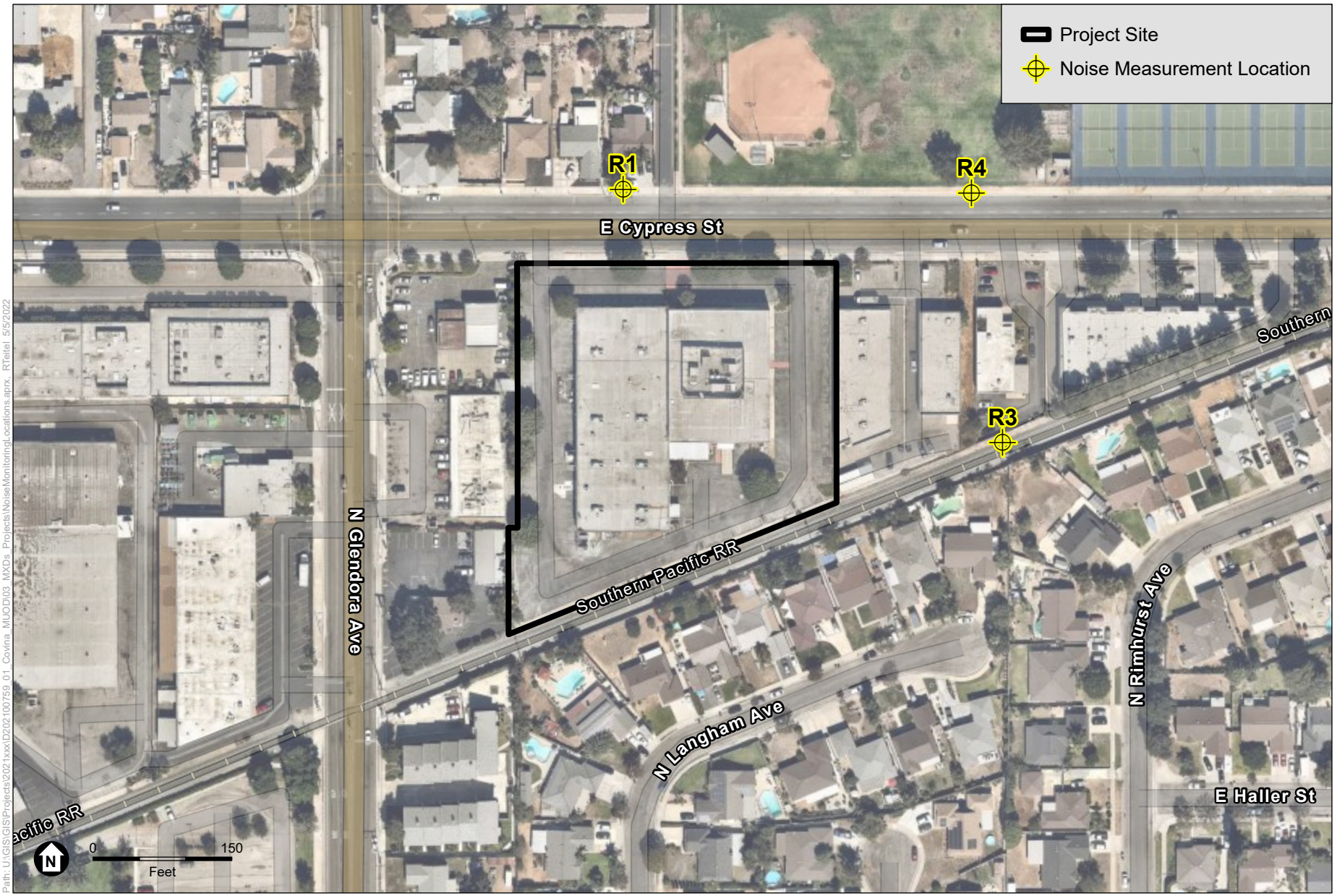


SOURCE: Mapbox, 2021

City of Covina Public Storage Project

Figure XIII-1
Onsite Noise Monitoring Location

ESA



SOURCE: Mapbox, 2021

City of Covina Public Storage Project

Figure XIII-2
Offsite Noise Monitoring Locations

ESA

The Occupational Safety and Health Administration (OSHA) Occupation Noise Exposure Hearing Conservation Amendment (Federal Register 48 [46], 9738-9785, 1983) stipulate that protection against the effects of noise exposure shall be provided for employees when sound levels exceed 90 dBA over an 8-hour exposure period. Protection shall consist of feasible administrative or engineering controls. If such controls fail to reduce sound levels to within acceptable levels, personal protective equipment shall be provided and used to reduce exposure of the employee. Additionally, a Hearing Conservation Program must be instituted by the employers whenever employee noise exposure equals or exceeds the action level of an 8-hour time-weighted average sound level of 85 dBA. The Hearing Conservation Program requirements consist of periodic area and personal noise monitoring, performance and evaluation of audiograms, provision of hearing protection, annual employee training, and record keeping.

CCR Title 24 establishes the CBC. The most recent building standard adopted by the legislature and used throughout the state is the 2019 version, which took effect on January 1, 2020. The State of California's noise insulation standards are codified in the CBC (Title 24, Part 2, Chapter 12). These noise standards are for new construction in California for the purposes of interior compatibility with exterior noise sources. The regulations specify that acoustical studies must be prepared when noise-sensitive structures, such as residences, schools, or hospitals, are near major transportation noises, and where such noise sources create an exterior noise level of 60 dBA Community Noise Level Equivalent (CNEL), or higher. Acoustical studies that accompany building plans must demonstrate that the structure has been designed to limit interior noise in habitable rooms to acceptable noise levels. For new residential buildings, schools, and hospitals, the CCR Title 24, Part 2, Chapter 12 acceptable interior noise limit for new construction is 45 dBA CNEL.

The California Government Code Section 65302(f) requires that a noise element be included in the General Plan of each county and city in the State. The City's General Plan Noise Element sets the goals and policy direction for the management of noise in the unincorporated areas. Chapter IV of the City's General Plan Noise Element states that "the goal is: An environment in which potential adverse impacts of noise on the City's residents and workers are identified and prevented and mitigated." Among the Policy Areas in the Noise Element, the following are relevant to the Project:

Policy Area 1 (Transportation Noise Sources). The City shall:

> 1. Examine the noise environment of proposed residential or other noise-sensitive uses located within all 60 Ldn noise contours to ensure compatibility and, pertaining to residential activities, adherence to applicable State noise insulation standards.
>
> 2. Attempt to mitigate or eliminate the possible noise problems of proposed residential or other noise-sensitive uses located within all 65 Ldn noise contours to ensure compatibility and, pertaining to residential activities, adherence to applicable State noise insulation standards.

3. Consider "noise-sensitive uses" to include, but not be limited to, all residential housing types, public and private primary and secondary schools, libraries, parks/recreation areas, hospitals/medical facilities, nursing homes, and churches.

4. Consider establishing acceptable limits of noise levels for various land uses throughout the community, in accordance with State guidelines, as a means of determining noise-compatible land uses.

5. Ensure the inclusion of noise-mitigation measures and features in the design, orientation, and routing of new and improved streets and circulation and transportation facilities, where necessary and consistent with funding capability.

6. Require noise-reduction techniques and features in site planning, architectural design, project landscaping, building materials, and/or construction, where necessary or required by law.

14. Require that new or expanded developments minimize the noise impacts of trips that they generate on residential neighborhoods by controlling the location of driveways and parking.

Policy Area 2 (Commercial and Industrial Noise Sources). The City shall:

1. Consider establishing acceptable limits of noise levels for various land uses throughout the community, in accordance with State guidelines, as a means of determining noise-compatible land uses.

2. Discourage the location of noise-sensitive land uses in noisy environments.

3. Consider "noise-sensitive uses" to include, but not be limited to, all residential housing types, public and private primary and secondary schools, libraries, parks/recreation areas, hospitals/medical facilities, nursing homes, and churches.

4. Require noise-reduction techniques and features in site planning, architectural design, project landscaping, building materials, and/or construction, where necessary or required by law.

5. Require that parking lots and structures and loading areas be designed to minimize on-site noise impacts and off-site incursions by calling for the use of appropriate walls, buffers, and materials and by insisting upon the configuration of on-site or interior spaces that minimize sound amplification and transmission.

Policy Area 4 (Construction Noise Sources and General Matters). The City shall:

1. Continue implementing the Covina Noise Ordinance to regulate the hours of operation and excessive noise associated with on-site construction activities, particularly activities occurring in or near residential uses, permitting exceptions only under special circumstances.

2. Where necessary, require the construction of barriers to shield noise-sensitive uses from intrusive, construction-related noise.

3. Require that construction activities incorporate feasible and practical techniques, measures, and procedures that minimize the noise impacts on all adjacent uses.

4. Consider requiring sound attenuation devices on construction equipment to reduce noises associated with building activities.

11. Maintain a coordinated, cooperative, and inter-departmental approach in handling various noise-related issues and problems.

12. Endeavor to promote the importance of the General Plan and its implementation to the public, businesses, developers, Covina employees, and other interested parties through appropriate channels.

The City's Noise Ordinance, contained in the City's Municipal Code, Division IV. Offenses Against Public Peace, Chapter 9.40 Noise, identifies exterior noise standards for any source of sound at any location within the City, and specific noise restrictions, exemptions, and variances for exterior noise sources. Several of the ordinance requirements are applicable to aspects of the Project and are discussed below.

The City's maximum exterior noise standards set forth in the City's Municipal Code Chapter 9.40, Section 9.40.040 are provided in **Table XIII-2,** *City of Covina Sound Level Limit*.

TABLE XIII-2
CITY OF COVINA SOUND LEVEL LIMIT

Noise Zone	Receiving Land Use Category	Daytime Hours (7 a.m. to 10 p.m.) dBA	Nighttime Hours (10 p.m. to 7 a.m.) dBA
I	Residential: estate or agricultural	50	40
II	Residential: low density	55	45
III	Residential: medium and high density	60	50
IV	Commercial	65	55
V	Industrial	70	60

SOURCE: City's Municipal Code, Chapter 9.40, Section 9.40.040.

For medium and high density residential-zoned areas, the sound level limit is 60 dBA during the daytime and 50 dBA during the nighttime. For commercial-zoned areas, the sound level limit is 65 dBA during the daytime and 55 dBA during the nighttime. The following standards are used to evaluate compliance:

- Standard No. 1: Exterior noise cannot exceed levels set forth in Table XIII-2 for a cumulative period of more than 30 minutes in any hour.

- Standard No. 2: Exterior noise cannot exceed levels set forth in Table XIII-2 plus 5 dBA for a cumulative period of more than 15 minutes in any hour.
- Standard No. 3: Exterior noise cannot exceed levels set forth in Table XIII-2 plus 10 dBA for a cumulative period of more than 5 minutes in any hour.
- Standard No. 4: Exterior noise cannot exceed levels set forth in Table XIII-2 plus 15 dBA for a cumulative period of more than one minute in any hour.
- Standard No. 5: Exterior noise cannot exceed levels set forth in Table XIII-2 plus 20 dBA at any time.

If the measurement location is on a boundary between a commercial or industrial land use category and a residential category, the noise level limit of the lower category plus five decibels shall apply.

The City's Municipal Code Chapter 9.40, Section 9.40.110 Construction, established regulations for construction activity within the City.

> A. It is unlawful for any person within any residential land use category or within a radius of 500 feet therefrom to operate equipment or perform any outside construction or repair work on any building, structure, or project; or to operate any pile driver, steam shovel, pneumatic hammer, electric saw, grinder, steam or electric hoist, or other construction-type equipment or device between the hours of 8:00 p.m. of any one day and 7:00 a.m. of the next day, at any time on any Sunday or at any time on any public holiday in such a manner that a reasonable person of normal sensitivity residing in the area is caused discomfort or annoyance, unless beforehand a permit therefor has been duly obtained in accordance with the provisions of subsection (B) of this section. No permit shall be required to perform emergency work.
>
> "Public holiday" as used in this subsection shall mean the day upon which each of the following holidays is recognized and celebrated as a holiday by the employees of the city: Independence Day, Labor Day, Veterans Day, Thanksgiving, Christmas Eve, Christmas Day, New Year's Eve, New Year's Day, Washington's Birthday, Memorial Day, or any other holiday recognized as such by the city.
>
> B. A permit may be issued authorizing the work prohibited by this section whenever it is found that the public interest will be served thereby. An application for such a permit shall be in writing and shall be accompanied by an application fee in an amount that may be set from time to time by a resolution of the city council. The application shall set forth in detail facts showing that the public interest will be served by the issuance of such permit, and the application shall be made to the planning division of the community development department. The chief planning official shall be responsible for the administration and enforcement of the provisions of this section and shall have the authority to issue such permits. He/she shall coordinate the processing of each application for a permit with such departments and divisions as he/she deems will be affected by the issuance of the permit. (Ord. 09-1975 § 1, 2009; Ord. 1665 § 2, 1988.)

The City has not adopted a vibration criteria limit. Guidelines recommended by the FTA on structural damage and human annoyance are used to evaluate groundborne vibration impacts.

Consistent with the City's Municipal Code and construction industry best management practices, the following Project Design Features measures apply to the Project and will help to reduce Project noise levels:

PDF N-1: **Control of Construction Hours.** Construction activities occurring as part of the Project shall be subject to the limitations which states that construction activities may occur between 7:00 a.m. and 8:00 p.m. Mondays through Saturdays. No construction activities shall be permitted outside of these hours or on Sundays and federal holidays unless a temporary waiver is granted by the City.

PDF N-2: **Construction Best Management Practices.** Prior to issuance of grading permits, the City/Project Applicant shall incorporate the following measures as a note on the grading plan cover sheet to ensure that the greatest distance between noise sources and sensitive receptors during construction activities have been achieved.

- Construction equipment, fixed or mobile, shall be equipped with properly operating and maintained noise mufflers consistent with manufacturers' standards.
- Construction staging areas shall be located away from off-site sensitive uses during Project construction.
- The Project Contractor(s) shall place all stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the Project Site, whenever feasible.

Impacts Analysis

Would the Project result in:

a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the Project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less Than Significant Impact with Mitigation Incorporated.

Project Construction Noise

This section includes an overview of the typical methods, equipment, and work force that would be used for construction of the Project. On-site construction noise impacts were evaluated by determining the noise levels expected to be generated by the different types of construction activities anticipated, calculating the construction-related noise levels produced by the construction equipment at sensitive receptor locations.

Project grading would require approximately 8,000 cubic yards (CY) of export. Unless otherwise noted, construction activities would not occur between the hours of 8:00 p.m. of any one day and 7:00 a.m. of the next day, at any time on any Sunday or at any time on any public holiday.

Short-term noise impacts would be associated with excavation, grading, paving, and underground construction during construction of the Project. Construction-related short-term noise levels

would be higher than existing ambient noise levels in the Project area today but would no longer occur once construction of the Project is completed.

Construction crew commutes and the transport of construction equipment and materials to the Site for the Project would incrementally increase noise levels on access roads leading to the Site. Although there would be a relatively high single-event noise-exposure potential causing intermittent noise nuisance (passing trucks at 50 feet would generate up to a maximum of 87 dBA L_{max} over a few seconds), the effect on longer-term (hourly or daily) ambient noise levels would be small when averaged over a long period of time (an hour, 8 hours, or 24 hours) with much lower ambient noise levels. Therefore, short-term construction-related impacts associated with worker commute and equipment transport to the Project Site would be less than significant.

The second type of short-term noise impact is related to noise generated during site preparation and on-site construction on the Project Site. Construction is completed in discrete steps, each of which has its own mix of equipment, and consequently, its own noise characteristics. These various sequential phases would change the character of the noise generated on the Site, and therefore, the noise levels surrounding the Site as construction progresses. Despite the variety in the type and size of construction equipment, similarities in the dominant noise sources and patterns of operation allow construction-related noise ranges to be categorized by work phase. **Table XIII-3**, *RCNM Default Noise Emission Reference Levels and Usage Factors*, lists construction equipment expected to be used during Project construction, and the noise levels are taken from the *RCNM Default Noise Emission Reference Levels and Usage Factors* which lists typical construction equipment noise levels recommended for noise impact assessments, based on a distance of 50 feet between the equipment and a noise receptor, and are taken from the FHWA Roadway Construction Noise Model (RCNM) (FHWA, 2006). The RCNM is a national model based on the noise calculations and extensive construction noise data compiled for the Central Artery/Tunnel (CA/T) project where it replaced Boston's deteriorating six-lane elevated Central Artery I-93 in 1982. The basis for the national model is a spreadsheet tool developed in support of the CA/T project.

TABLE XIII-3
RCNM DEFAULT NOISE EMISSION REFERENCE LEVELS AND USAGE FACTORS

Equipment Description	Impact Device?	Acoustical Usage Factor	Spec. 721.560 L_{max} at 50 Feet (dBA, slow)[a]	Actual Measured L_{max} at 50 Feet (dBA, slow)[b]	Number of Actual Data Samples (Count)
All other equipment >5 HP	No	50	85	N/A	0
Backhoe	No	40	80	78	372
Compressor (air)	No	40	80	78	18
Concrete mixer truck	No	40	85	79	40
Concrete pump truck	No	20	82	81	30
Crane	No	16	85	81	405
Dozer	No	40	85	82	55
Dump truck	No	40	84	76	31
Excavator	No	40	85	81	170

TABLE XIII-3
RCNM DEFAULT NOISE EMISSION REFERENCE LEVELS AND USAGE FACTORS

Equipment Description	Impact Device?	Acoustical Usage Factor	Spec. 721.560 L_{max} at 50 Feet (dBA, slow)[a]	Actual Measured L_{max} at 50 Feet (dBA, slow)[b]	Number of Actual Data Samples (Count)
Flatbed truck	No	40	84	74	4
Frontend loader	No	40	80	79	96
Generator	No	50	82	81	19
Generator (<25 kVA, variable-message signs)	No	50	70	73	74
Grader	No	40	85	N/A	0
Paver	No	50	85	77	9
Pickup truck	No	40	55	75	1
Roller	No	20	85	80	16
Scraper	No	40	85	84	12
Tractor	No	40	84	N/A	0
Welder/torch	No	40	73	74	5

NOTES:

dBA = A-weighted decibels; HP = horsepower; N/A = not applicable

[a] the specification "Spec" limit for each piece of equipment expressed as an Lmax level in dBA "slow" at a reference distance of 50 foot from the loudest side of the equipment;

[b] the measured "Actual" emission level at 50 feet for each piece of equipment based on hundreds of emission measurements performed on CA/T work sites.

SOURCE: Federal Highway Administration, *Highway Construction Noise Handbook* (2006), Table 9.1.

Project construction will constitute 8 phases of construction activities, as shown in **Table XIII-4**, *Construction Phasing*.

TABLE XIII-4
CONSTRUCTION PHASING[a]

Phase	Description
Phase 1	Demolition
Phase 2	Site Preparation
Phase 3	Grading/Excavation
Phase 4	Drainage/Utilities/Trenching
Phase 5	Foundation/Concrete Pour
Phase 6	Building Construction
Phase 7	Paving
Phase 8	Architectural Coating

NOTES:

[a] Based on CalEEMod and construction information provided by the client.

SOURCE: ESA 2022.

Existing noise sensitive uses (residences) in the immediate vicinity include:

- To the north: Residences and Charter Oak High School on the north side of East Cypress Street, 90 feet to the nearest Project property line; and
- To the south: Residences on the south side of railroad tracks, 75 feet to the nearest Project property line.

As stated previously, sound levels are generated from a source, and their decibel level decreases as the distance from that source increases. Sound dissipates exponentially with distance from the noise source. For a single point source, sound levels decrease approximately 6 dBA for each doubling of distance from the source. This drop-off rate is appropriate for noise generated by stationary equipment. If noise is produced by a line source, such as highway traffic or railroad operations, the sound decreases 3 dBA for each doubling of distance in a hard site environment. Line source noise in a relatively flat environment with absorptive vegetation decreases 4.5 dBA for each doubling of distance.

Construction noise is temporary and will cease to occur after completion of the Project construction. It is considered best practice that all construction, maintenance, or demolition activities within the City's boundary be limited to the hours between 7 a.m. and 8 p.m., Monday through Saturday. No construction work should occur on Sundays and federal holidays.

The Project Site is located near a residential neighborhood, with residential homes both to the north and south of the Project Site. Existing residences to the north of the Project Site are represented by the ambient noise monitoring location R1. Existing residences located to the south are represented by the ambient noise measurement locations R2 and R3. **Table XIII-5**, *Estimated Construction Noises Levels at Existing Off-Site Sensitive Receptors*, lists the estimated construction noise levels at the representative off-site sensitive uses where the nearest noise-sensitive receivers are located. Receiver location A represents the ambient noise monitoring location at R1. Receiver D represents the high school to the northeast of the Project Site (R4). Receivers B and C represent the residences on the south side of the railroad tracks (R2 and R3).

TABLE XIII-5
ESTIMATED CONSTRUCTION NOISE LEVELS AT EXISTING OFF-SITE SENSITIVE RECEPTORS

Noise Sensitive Receptor	Construction Phases	Distance between Nearest Receptor and Construction Site, feet	Estimated Construction Noise Levels at Noise Sensitive Receptor by Construction Phase,[a] Hourly Leq (dBA)
A	Demolition		77
Existing residences to the north of the Project Site, on the north side of East Cypress Street (Location R1)	Site Preparation		77
	Grading/Excavation		78
	Drainage/Utilities/Trenching		77
	Foundation/Concrete Pour	90 to 300 feet	78
	Building Construction		63
	Paving		77
	Architectural Coating		66
	Maximum Overlap Noise		**82**

TABLE XIII-5
ESTIMATED CONSTRUCTION NOISE LEVELS AT EXISTING OFF-SITE SENSITIVE RECEPTORS

Noise Sensitive Receptor	Construction Phases	Distance between Nearest Receptor and Construction Site, feet	Estimated Construction Noise Levels at Noise Sensitive Receptor by Construction Phase,[a] Hourly Leq (dBA)
B	Demolition		79
Existing residences to the south of the Project Site, on the south side of the railroad tracks (Location R2)	Site Preparation		79
	Grading/Excavation		79
	Drainage/Utilities/Trenching		79
	Foundation/Concrete Pour	75 to 400 feet	80
	Building Construction		64
	Paving		78
	Architectural Coating		67
	Maximum Overlap Noise		**83**
C	Demolition		71
Existing residences to the east and southeast of the Project Site, on the south side of the railroad tracks (Location R3)	Site Preparation		71
	Grading/Excavation		72
	Drainage/Utilities/Trenching		71
	Foundation/Concrete Pour	180 to 500 feet	72
	Building Construction		57
	Paving		71
	Architectural Coating		60
	Maximum Overlap Noise		**76**
D	Demolition		77
Near Charter Oak High School (near the baseball field, soccer field, and tennis courts) to the northeast of the Project Site, on the north side of East Cypress Street (Location R4)	Site Preparation		77
	Grading/Excavation		78
	Drainage/Utilities/Trenching		77
	Foundation/Concrete Pour	90 to 300 feet	78
	Building Construction		63
	Paving		77
	Architectural Coating		66
	Maximum Overlap Noise		**82**

NOTES.

[a] Estimated construction noise levels represent the worst-case condition when noise generators are located nearest to the receptors and are expected to last the entire duration of each construction phase.

SOURCE: ESA, 2022.

Construction (grading/excavation and foundation/concrete pour) on the Project Site would expose the nearest noise-sensitive uses in the Project vicinity to noise levels reaching up to 83 dBA Leq over a one-hour average period for the existing residences to the south in the Project Site vicinity (location R2). During other construction phases demolition, site preparation, drainage/utilities/trenching, building construction, paving, and architectural coating), noise associated with on-site activity would be lower than those during the grading period.

The City has not adopted a numeric threshold for construction activity noise. The Project would generate construction noise levels in excess of the prevailing ambient noise levels measured at the off-site sensitive receiver locations (R1: 57.4 dBA Leq; R2, 66.4 dBA Leq; R3, 65.8 dBA Leq; R4, 57.2 dBA Leq). As stated above, the City's General Plan Noise Element Policy Area 1 requires noise-reduction techniques and features in site planning, architectural design, project landscaping, building materials, and/or construction, where necessary or required by law. Based on the Project construction noise levels and that such levels would exceed the prevailing ambient noise levels measured at the off-site sensitive receiver locations by a measurable margin, a temporary mitigation measure requiring the use of construction noise barriers with sufficient height to block the line-of-sight between the Project construction area and adjacent sensitive receiver, are recommended during Project construction. Therefore, on-site construction near Project's northern and southern areas is recommended to be shielded by a temporary construction noise barrier that can reduce the construction noise by up to 10 dBA. This temporary construction noise barrier is required to be at a minimum 8 feet in height above the ground surface and of sufficient height to block the line-of-sight from the Project's construction area and the off-site noise-sensitive receptors.

Construction noise would be a temporary occurrence and would cease to occur after completion of Project construction. City's Municipal Code Chapter 9.40, Section 9.40.110 Construction, establishes regulations for construction activity within the City and PDF-N-1 requires compliance with the ordinance, which is as follows:

> A. It is unlawful for any person within any residential land use category or within a radius of 500 feet therefrom to operate equipment or perform any outside construction or repair work on any building, structure, or project; or to operate any pile driver, steam shovel, pneumatic hammer, electric saw, grinder, steam or electric hoist, or other construction-type equipment or device between the hours of 8:00 p.m. of any one day and 7:00 a.m. of the next day, at any time on any Sunday or at any time on any public holiday in such a manner that a reasonable person of normal sensitivity residing in the area is caused discomfort or annoyance, unless beforehand a permit therefor has been duly obtained. No permit shall be required to perform emergency work.

With incorporation of Mitigation Measure **NOI-1**, a temporary construction noise barrier up to 8 feet above ground would be installed on the Project Site in the direction facing the off-site residences located along East Cypress Street to the north of the Project Site and the residences located to the south of the Project Site. which would reduce the construction noise increase in ambient noise levels by up to 10 dBA. Temporary construction noise impacts would be less than significant.

Mitigation Measures:

> **NOI-1**: Prior to the start of grading/excavation on the Project Site and last until foundation/concrete pour is completed, temporary construction noise barriers shall be installed along the Project's northern and southern boundary, where noise-sensitive residential receptors are located along East Cypress Street to the north and the railroad tracks to the south. This temporary construction noise barrier is required to have a minimum height of 8 feet above ground and shall block the line-of-sight between the construction area and then off-site noise-sensitive receptors.

Project Operational Noise

This section describes the activities relating to operation of the Project, including Project-related vehicular traffic and any on-site noise-generating equipment and activity.

Traffic Noise Impacts on Off-Site Land Uses

Vehicle traffic noise during operation of the Project would have a significant noise impact if it would increase existing without Project traffic noise levels by 5 dBA CNEL or more at a sensitive land use currently experiencing "normally acceptable" or "conditionally acceptable" noise levels; or increase ambient noise levels by 3 dBA CNEL or more at a sensitive land use currently experiencing "normally unacceptable" or "clearly unacceptable" noise levels.

The City adopted Resolution CC 2020-56 (June, 2020) regarding the VMT thresholds of significance for the purposes of analyzing transportation impacts under CEQA. These thresholds are consistent with the recommended screening criteria contained in the Governor's Office of Planning and Research (OPR) *Technical Advisory on Evaluating Transportation Impacts in CEQA* (December, 2018). Consistent with the OPR Technical Advisory, the City recommends that a project generating 110 average daily trips (ADT) or less be screened out of a VMT analysis due to the presumption of a less than significant impact.

Based on the Project's trip generation summary, the existing land use (manufacturing) generates 217 ADTs, and the proposed Public Storage facility would generate 214 ADT. After taking credit for the existing use, the Project would result in 3 fewer daily trips to and from the Project Site, which is below the OPR Technical Advisory threshold of 110 trips per day.

Implementing the Project would not add any additional vehicle trips to the existing conditions and would result in no measurable changes in the traffic noise levels compared to the corresponding baseline traffic noise level along all roadway segments in the Project area. Therefore, traffic noise impacts under the existing plus Project scenario would be less than significant with implementation of the Project and no mitigation measures would be required.

Traffic Noise Impacts on On-site Land Uses

The Project proposes a Public Storage facility on the Project Site that could be exposed to traffic noise from vehicular traffic on East Cypress Street to the north and train noise from the railroad tracks to the south. Because the proposed Public Storage facility is not considered a noise-sensitive land use, noise impacts would be less than significant and no mitigation measures would be required for operation of the Project.

Stationary Noise Impacts from On-site Equipment and Activities

Stationary point-source noise levels were evaluated by identifying the noise levels generated by outdoor stationary noise sources such as rooftop mechanical equipment, parking structure, automobile operations, and loading/refuse collection area activity, calculating the hourly L_{eq} noise level from each noise source at sensitive receiver property lines, and comparing such noise levels to existing ambient noise levels.

On-Site Fixed Mechanical Equipment Noise

The operation of mechanical equipment typical of developments like the Project, such as air conditioners, fans, and related equipment, may generate audible noise levels. The Project's mechanical equipment would be located on rooftops or within buildings, and would be shielded from nearby land uses to attenuate the noise they would generate and avoid conflicts with adjacent uses. In addition, all mechanical equipment would be designed with appropriate noise control devices, such as sound attenuators, acoustics louvers, sound enclosures, and/or sound screen/parapet walls, to comply with the noise limitation requirements provided in Division IV. Offenses Against Public Peace, Chapter 9.40 Noise. Therefore, the Project would install mechanical equipment so that it would generate noise levels below this threshold in compliance with applicable regulatory requirements. This would be accomplished through appropriate and commonly used noise control devices, such as sound attenuators, acoustics louvers, sound enclosures, sound adsorbers, muffling devices, and/or sound screen/parapet walls. Therefore, compliance with the City's Municipal Code requirements would ensure that operation of the Project's fixed mechanical equipment would not exceed the City's thresholds of significance and impacts would be less than significant.

Parking, Loading Activities and Refuse Service Areas Noise

Sources of noise associated with parking areas typically include engines accelerating, doors slamming, car alarms, horns honking, tire squeals, and people talking. Noise levels at these facilities would fluctuate throughout the day with the amount of vehicle and human activity. Noise levels would generally be the highest in the morning and evening peak traffic hours when the largest number of vehicles would enter and exit the parking structures.

The Project will require typical weekly refuse collection services for the Public Storage facility uses with refuse trucks accessing the Project Site from East Cypress Street to the north of the Project Site boundary. The Project would not include an exterior loading dock. Loading activities would be minimal given the relatively small scale of the Project's self-storage uses; thus a dedicated loading dock is not needed. Any periodic loading would occur on the paved parking area adjacent to the storage space.

Loading activities, such as truck movements/idling and loading/unloading operations, would generate noise levels of approximately 70 dBA Leq at a reference distance of 50 feet from the noisiest portion of the truck (i.e., to the side behind the cab and in line with the engine and exhaust stacks) based on a noise survey that was conducted by ESA at a loading dock facility, loading dock activity would generate noise levels. Refuse collection vehicles would travel on East Cypress Street for refuse pickup. Refuse collection generally occurs on a weekly basis and usually lasts for several minutes similar to refuse pickup services for all other uses in the area, which would generate an incidental amount of noise and would not significantly contribute to permanent noise increases in the area.

Truck idling that may periodically occur from loading/unloading would be restricted to no more than 5 consecutive minutes in the loading area pursuant to State regulation (Title 13 CCR, Section 2485). Pursuant to Title 13 CCR, Section 2485, signs would be posted in delivery loading areas specifying this idling restriction. The Project would not include an exterior loading dock and loading activities would occur in the parking area in front of the storage space and noise attenuation from the building walls is taken into account.

Therefore, noise impacts from parking, loading activities and refuse service areas would be less than significant and no mitigation measures would be required.

b) Generation of excessive groundborne vibration or groundborne noise levels?

Less Than Significant Impact. The criteria for environmental impact from groundborne vibration are based on the maximum groundborne vibration levels for a single event. **Table XIII-6**, *Vibration Damage Criteria*, lists the potential vibration damage criteria associated with construction activities, as suggested in the *Transit Noise and Vibration Impact Assessment* (FTA, 2018).

TABLE XIII-6
VIBRATION DAMAGE CRITERIA

Building Category	PPV (inch/sec)	Approximate L_V[a]
Reinforced-concrete, steel or timber (no plaster)	0.50	102
Engineered concrete and masonry (no plaster)	0.30	98
Non-engineered timber and masonry buildings	0.20	94
Buildings extremely susceptible to vibration damage	0.12	90

NOTES:
PPV = peak particle velocity; L_V = velocity in decibels; inch/sec = inches per second
[a] Root-mean-square velocity in decibels (VdB) re 1 microinch per second.
SOURCE: FTA, Transit Noise and Vibration Impact Assessment Manual, Table 7-5, September 2018.

FTA guidelines show that a vibration level of up to 102 VdB (equivalent to 0.5 inch/sec in RMS) (FTA, 2018) is considered safe for buildings consisting of reinforced concrete, steel, or timber (no plaster), and would not result in any construction vibration damage. For a non-engineered timber and masonry building, the construction vibration damage criterion is 94 VdB (0.2 inch/sec in RMS). The RMS values for building damage thresholds referenced above are shown in **Table XIII-7**, *Guideline Vibration and Groundborne Noise Impact Criteria for General Assessment* (Caltrans, 2020).

TABLE XIII-7
GROUNDBORNE VIBRATION AND GROUNDBORNE NOISE IMPACT CRITERIA FOR GENERAL ASSESSMENT

Land Use Category	Frequent Events[a]	Occasional Events[b]	Infrequent Events[c]
Category 1: Buildings where vibration would interfere with interior operations.	65 VdB[d]	65 VdB[d]	65 VdB[d]
Category 2: Residences and buildings where people normally sleep.	72 VdB	75 VdB	80 VdB
Category 3: Institutional land uses with primarily daytime use.	75 VdB	78 VdB	83 VdB

NOTES:

[a] "Frequent Events" is defined as more than 70 vibration events of the same source per day.

[b] "Occasional Events" is defined as between 30 and 70 vibration events of the same source per day.

[c] "Infrequent Events" is defined as fewer than 30 vibration events of the same kind per day.

[d] This criterion is based on levels that are acceptable for most moderately sensitive equipment, such as optical microscopes.

SOURCE: FTA, Transit Noise and Vibration Impact Assessment Manual, Table 6-3, September 2018.

Based on the FTA's *Transit Noise and Vibration Impact Assessment* (FTA 2018), the vibration criterion for a detailed analysis is 78 VdB for residential uses during daytime hours. During nighttime hours, the vibration criterion is 72 VdB. For office and office buildings, the FTA guidelines suggest that a vibration level of 84 VdB should be used for detailed analysis.

Groundborne vibration and noise impacts were evaluated for potential building damage and human annoyance impacts by identifying the Project's potential vibration sources, estimating the distance between the Project's vibration sources and the nearest structure and vibration annoyance receptor locations, and making a significance determination based on the significance thresholds.

Project Construction Groundborne Vibration

Structural Damage

Construction activities may generate groundborne vibration and noise from transient sources due to the temporary and sporadic use of vibration-generating equipment. Operation of the Project has no potential to cause structure damage to the Project's own buildings or to off-site buildings that are farther away because the Project would not include any equipment that would generate substantial vibration or noise levels. Construction and operational activities may generate groundborne vibration and noise levels that could be felt by people as a result of trucks and vehicles driving to and from the Project Site, or from the operation of typical commercial-grade stationary mechanical and electrical equipment used for residential and commercial land uses, such as air handling units, condenser units, and exhaust fans, which could produce groundborne vibration and noise. Because vibration level in RMS is best for characterizing human response to building vibration and vibration level in PPV is best used to characterize potential for damage, this construction vibration impact analysis will discuss the human annoyance using vibration levels in VdB and will assess the potential for building damages using vibration levels in PPV (inch/sec).

Grading and excavation for the Project is expected to use 1 tractor/loader/backhoe, 1 excavator, 1 grader, 1 forklift, and 1 other equipment. It is anticipated that the greatest levels of vibration would occur during the grading and excavation phase. All other phases are expected to result in similar or lower vibration levels.

Vibration level (VdB) attenuation through soil is represented by the following equation:

$$LvdB\ (D) = LvdB\ (25\ feet) - 30\ Log\ (D/25)$$

Where D is the distance between the vibration source and the receiver. LvdB (25 feet) is the source vibration level measured at 25 feet. A vibration level at 50 feet is 9 VdB lower than the vibration level at 25 feet. Vibration at 100 feet from the source is 18 VdB lower than the vibration level at 25 feet.

The nearest residential buildings adjacent to the Project Site are approximately 90 feet from the nearest construction area on the Project Site. It would take a vibration PPV level of more than 0.2 inch/sec for non-engineered timber and masonry buildings or 0.5 inch/sec for reinforced-concrete, steel or timber (no plaster) to potentially result in any building damages. **Table XIII-8**, *Vibration Source Amplitudes for Construction Equipment*, shows that none of the construction activities anticipated on the Project Site, including loaders, would result in a vibration level that would reach 0.5 inch/sec PPV at 25 feet from each of the Project construction equipment and/or activities. The vibration level from loaders would be 0.089 inch/sec measured at 25 feet, as shown in Table XIII-8. At 75 feet, where the nearest residential building is located, the vibration level would be reduced to 0.013 in h/sec PPV. This vibration level is lower than the vibration damage threshold of 0.20 inch/sec PPV. Other off-site buildings are farther away from the Project Site and would be exposed to even lower construction vibration levels. Therefore, no building damage would occur as a result of the Project construction and impacts would be less than significant.

TABLE XIII-8
VIBRATION SOURCE AMPLITUDES FOR CONSTRUCTION EQUIPMENT

	Reference PPV/L_V at 25 Feet	
Equipment	**PPV (inch/sec)**	**L_V (VdB)**
Vibratory Roller	0.210	94
Earth Mover	**0.011**	**69**
Excavator	0.047	81
Wheel Loader	**0.076**	**86**
Large Bulldozer	0.089	87
Loaded Trucks	**0.076**	**86**
Small Bulldozer	**0.003**	**58**

NOTES:
PPV = peak particle velocity; L_V = velocity in decibels; inch/sec = inches per second; VdB = vibration velocity decibels.
SOURCE: Federal Transit Administration, *Transit Noise and Vibration Impact Assessment* (2018), Table 12-2.

Human Annoyance

Table XIII-9, Summary of Construction Equipment and Activity Vibration, lists the projected vibration level from various construction equipment expected to be used on the Project Site to the sensitive uses in the Project vicinity. For the Project construction activity, the equipment with the highest vibration generation potential is the loader, which would generate 87 VdB at 25 feet. With the vibration attenuation through distance divergence, the vibration from Project construction would be reduced by 14 VdB at the nearest residential buildings on the south side of the train tracks that are at least 75 feet from the Project construction area boundary. The highest construction vibration levels at residential buildings adjacent to the Project Site would be 73 VdB or lower. The vibration level from loader would be lower than the 86 VdB measured at 25 feet.

As shown in Table XIII-9, construction equipment vibration levels would not exceed the FTA's 78 VdB threshold at the nearest noise-sensitive receiver locations during daytime hours or the FTA's 84 VdB threshold for annoyance of occupants in commercial/office buildings.

TABLE XIII-9
SUMMARY OF CONSTRUCTION EQUIPMENT AND ACTIVITY VIBRATION

	Vibration Level (VdB)			
Equipment/Activity	**At 25 Feet**	**Distance Attenuation**	**Intervening Canal[a]**	**Maximum Vibration Level**
Residences to the North (100 feet)				
Loader, front end loaders, grader, backhoe[b]	86	18	0	68
Loaded trucks	86	18	0	68
Jackhammers, forklift	79	18	0	62
Residences to the South (75 feet)				
Loader, front end loaders, grader, backhoe[b]	86	14	0	72
Loaded trucks	86	14	0	72
Jackhammers, forklift	79	14	0	65

NOTES:

The FTA recommended building damage threshold is 0.2 inch/sec or approximately 94 VdB at the receiving property structure or building.

[a] No intervening structure that would provide a damping effect on vibration.

[b] Large bulldozer represents the construction equipment with the highest vibration potential that would be used on Site. Other equipment would result in a lower vibration when compared to that of large bulldozers.

SOURCE: Compiled by ESA (2022).

Summary of Construction Groundborne Vibration Impacts

The Project Site needs a loader and excavator during construction. The nearest residential building is located at 75 feet from the Project construction area. At this distance, the vibration level of the equipment that would be used on site, loaders, would be reduced to 0.013 in inch/sec PPV. The vibration level from loaders would be 0.089 inch/sec measured at 25 feet and at 75 feet would be lower than the vibration damage threshold of 0.20 inch/sec PPV. Other off-site

buildings are farther away from the Project Site and would be exposed to even lower construction vibration levels. Therefore, no building damage would occur as a result of the Project construction.

The projected maximum construction vibration level during Project construction at the nearest vibration-sensitive receiver locations would be reduced to 72 VdB and would not exceed the FTA's vibration standards of 78 VdB for sensitive uses (residences) or the FTA's 84 VdB threshold for commercial/office buildings.

Construction vibration impacts would be less than significant for structural damage and human annoyance and mitigation measures are not required.

Project Operational Groundborne Vibration Impacts

The Project proposes a Public Storage facility that would not generate any substantial ground vibration. Operation of the Project would include typical commercial-grade stationary mechanical and electrical equipment, such as air handling units, condenser units, and exhaust fans, which would produce vibration at low levels that would not cause damage or annoyance impacts to the Project buildings or on-site occupants and would not cause vibration impacts to the off-site environment. According to America Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), pumps or compressor would generate groundborne vibration levels of 0.5 in/sec PPV at 1 foot (ASHRAE, 1999). Therefore, groundborne vibration from the operation of such mechanical equipment would not impact any of the off-site sensitive receptors. Due to the rapid attenuation characteristics of groundborne vibration and distance from the Project Site to receptors, there is no potential for operational impacts with respect to groundborne vibration. Operational groundborne vibration impacts would be less than significant. No mitigation is required.

c) **For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the Project expose people residing or working in the Project area to excessive noise levels?**

No Impact. The Project would result in no impacts relevant to airport land use plans, airports, or private airstrips as the Project is not located within the vicinity of a private airstrip, airport land use plan, or public or public use airport. The nearest airport to the Project Site is Brackett Field Airport located approximately 4.5 miles to the east. Therefore, these issues do not require further analysis in this study. No Project-related impacts from private airship or an airport land use plan would occur, and no mitigation measures are required.

References

ASHRAE, 1999. America Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. Heating, Ventilating, and Air-Conditioning Applications, 1999.

California Code of Regulations, Title 14, Section 15168(c).

TeNS, 2013. California Department of Transportation, *Technical Noise Supplement*, September 2013.

Caltrans, 2020. California Department of Transportation, *Transportation and Construction Vibration Guidance Manual. 2020.*

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Thalheimer, Erich. *Construction Noise Control Program and Mitigation Strategy at the Central Artery/Tunnel Project*. Noise Control Engineering Journal, Vol. 48, No. 5, pp 157-165, September - October 2000.

1974, USEPA. USEPA, *EPA Identifies Noise Levels Affecting Health and Welfare*, April 1974.

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Population and Housing

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XIV. POPULATION AND HOUSING — Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

Discussion

Would the Project:

a) **Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?**

Less Than Significant Impact. The Project would not involve the development of new housing. The Project would include the demolition of the existing 55,321 SF 2-story commercial building (i.e., electronic manufacturing) and the development of a 141,984 SF 3-story public self-storage building. Project features would include a partial basement, a rental office, a temporary monopole cell tower, associated secured surface parking areas, pedestrian walkways, and landscaping. The relatively short duration of construction (i.e., 12 months) of the Project would increase construction employees as approximately 80 personnel would be used. However, these jobs would not necessarily bring new construction workers or their families into the region, since construction workers are typically drawn from an existing regional pool who travel among construction sites within the region. As such, Project construction activities would not induce employees to move to the Project vicinity and would not induce population growth or the need for housing.

The Project would require two employees to operate the Public Storage facility. As such, it is anticipated that the Project would generate fewer employees than those currently generated by the existing commercial use (i.e., electronics manufacturing) at the Project Site. Operational activities of the Project would be limited to periodic landscaping and maintenance and trips by customers of the Public Storage. The Project would have no effect on long-term population and employment growth. Further, the Project is located in an area already served by existing infrastructure. Therefore, the proposed infrastructure (i.e., sidewalks, driveways, and underground facilities) would not induce further on- or off-site population growth. Given the limited intensity of the proposed development, substantial growth would not result from the Project. A less than significant impact would occur in this regard. No mitigation is required.

b) **Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?**

No Impact. The Project Site is currently developed with an approximately 55,321 SF 2-story commercial building occupied by "TT Electronics Power Solutions" which is used for electronics manufacturing. The remainder of the Project Site consists of asphalt-paved surface parking lots and ornamental landscaped areas. No housing or habitable structures exist on the Project Site. Since no existing housing would be removed, there would be no need for the construction of replacement housing elsewhere. No impact would occur in this regard.

Public Services

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XV. PUBLIC SERVICES —				
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the following public services:				
i) Fire protection?	☐	☐	☒	☐
ii) Police protection?	☐	☐	☒	☐
iii) Schools?	☐	☐	☒	☐
iv) Parks?	☐	☐	☒	☐
v) Other public facilities?	☐	☐	☒	☐

Discussion

Would the Project:

a) **Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the following public services:**

i) **Fire Protection?**

Less Than Significant Impact. Fire protection and emergency medical services for the City, including the Project Site, is provided by the Los Angeles County Fire Department (LACFD), who is contracted with the City. The LACFD provides 24-hour, all-risk emergency services to a population of approximately 4.1 million residents living and working in 60 cities and all of the County's unincorporated communities in a service area of approximately 2,311 square miles. The LACFD is comprised of the Emergency Operations Bureau, the Business Operations Bureau, and the Leadership and Professional Standards Bureau. The emergency operations field divisions are comprised of the North Region, the Central Region, and the East Region within the LACFD service area, which are divided into nine divisions and 22 battalions (LACFD, 2021). The LACFD provides emergency services in response to a wide range of incidents including structure fires, wildfires, commercial fires, hazardous materials incidents, urban search and rescue, and swift water rescue. In 2020, the LACFD responded to a total of 379,517 incidents which included 307,025 emergency medical responses, 9,813 fire incidents (i.e., structures, vehicles, rubbish, brush/grass, outside storage, and miscellaneous property), and 62,679 other incidents (i.e., false alarms, mutual aid provided, hazardous materials, and miscellaneous incidents). In 2020, the LACFD lifeguard division responded to 26,103 incidents which included medical calls, ocean

rescues, missing persons, boat rescues/distress, oxygen therapy, and drownings. The LACFD consists of approximately 4,775 personnel including chief officers, captains, firefighter specialists, firefighter paramedics, firefighters, call firefighters, fire suppression aides, pilots, administrative support, lifeguards, dispatchers, foresters, and hazardous materials specialists. The LACFD is comprised of 177 fire stations with 228 engine companies (i.e., type I, type III, and type VI), 34 truck companies (i.e., quints and light forces), 112 paramedic units (i.e., squads, assessment engines, air squads, and assessment quint/light force), and reserve equipment. The lifeguard division includes 24 lifeguard stations, 159 lifeguard towers, 58 beach patrol vehicles, 8 rescue boats, 2 paramedic rescue boats, and 2 baywatch paramedic squads. The air and wildland division includes 10 helicopters, 9 fire suppression camps, 18 fire suppression crews, and 19 pieces of heavy equipment (i.e., excavators, heavy dump trucks, track loaders, and rubber tire loaders) (LACFD, 2020).

The City, including the Project Site, is located within Division II of the East Region's emergency operations field division. Division II includes Battalions No. 2 and 16 and serves the cities of Azusa, Baldwin Park, Bradbury, Claremont, Covina, Duarte, Glendora, Irwindale, and San Dimas. Three LACFD fire stations provide fire protection and emergency medical services for the City, including the Project Site: Fire Station No. 153, located at 1577 East Cypress Street, Covina (approximately 0.3 miles east of the Project Site); Fire Station No. 154, located at 401 North Second Avenue, Covina (approximately 1.8 miles southwest of the Project Site); and Fire Station No. 152, located at 807 Cypress Street, Covina (approximately 2.5 miles west of the Project Site) (LACFD, 2020). The LACFD operates under a regional concept in its approach to providing fire protection and emergency medical services, wherein emergency response units are dispatched as needed to an incident anywhere in the LACFD's service territory based on distance and availability, without regard to jurisdictional or municipal boundaries.

Construction

Construction activities associated with the Project may temporarily increase the demand for fire protection and emergency medical services, and may cause the occasional exposure of combustible materials, such as wood, plastics, sawdust, coverings and coatings, to heat sources including machinery and equipment sparking, exposed electrical lines, welding activities, and chemical reactions in combustible materials and coatings. However, in compliance with the requirements of OSHA, all construction managers and personnel would be trained in fire prevention and emergency response. Further, fire suppression equipment specific to construction would be maintained on the Project Site. As applicable, construction activities would be required to comply with the 2019 CBC and the 2019 CFC, of which the City has adopted as the City's Fire Code.

Construction activities may involve temporary lane closures along East Cypress Street for curbside improvements (e.g., sidewalks, driveways, underground facilities and infrastructure). Construction-related traffic could result in increased travel time due to flagging or stopping of traffic to accommodate trucks entering and exiting the Project Site during construction. As such, construction activities could increase response times for emergency vehicles to local business and/or residences within the Project vicinity, due to travel time delays to through traffic. However, the impacts of such construction activity would be temporary and on an intermittent

basis. Further, a Construction Management Plan for the Project would be prepared in order to minimize disruptions to through traffic flow, maintain emergency vehicle access to the Project Site and neighboring land uses, and schedule worker and construction equipment delivery to avoid peak traffic hours. As a component of the Construction Management Plan, the times of day and locations of all temporary lane closures would be coordinated so that they do not occur during peak periods of traffic congestion, to the extent feasible. Truck routes for material and equipment deliveries, as well as for soil export and disposal, would require approval by the City's Public Works Department prior to construction activities. The Construction Management Plan would be prepared for review and approval prior to commencement of any construction activity. These practices, as well as techniques typically employed by emergency vehicles to clear or circumvent traffic (i.e., lights and sirens), are expected to limit the potential for significant delays in emergency response times during construction of the Project. Therefore, impacts regarding emergency response times and emergency access during construction would be less than significant. No mitigation is required.

Operation

The Project would include the demolition of the existing 55,321 SF 2-story commercial building (i.e., electronic manufacturing) and the development of a 141,984 SF 3-story public self-storage building. Project features would include a partial basement, a rental office, a temporary monopole cell tower, associated secured surface parking areas, pedestrian walkways, and landscaping. The Project would not generate a new direct residential population as no residential uses are proposed. The Project would require two employees to operate the Public Storage facility. As such, it is anticipated that the Project would generate fewer employees than those currently generated by the existing commercial use (i.e., electronics manufacturing) at the Project Site. Operational activities of the Project would be limited to periodic landscaping and maintenance and trips by customers of the Public Storage.

As discussed above, three LACFD fire stations provide fire protection and emergency medical services for the City, including the Project Site (LACFD, 2020). Fire Station No. 153, located at 1577 East Cypress Street, Covina, is approximately 0.3 miles east of the Project Site. The LACFD operates under a regional concept in its approach to providing fire protection and emergency medical services, wherein emergency response units are dispatched as needed to an incident anywhere in the LACFD's service territory based on distance and availability, without regard to jurisdictional or municipal boundaries. Due to the close proximity of multiple fire stations to the Project Site, service calls are anticipated to be responded to within LACFD's desired response times.

The Project would be subject to compliance with fire protection design standards, as necessary, per the 2019 CBC, 2019 CFC, and LACFD, to ensure adequate fire protection and emergency medical services. The LACFD's standard conditions of approval generally require that plans for building construction, fire flow requirements, fire protection devices (i.e., fire sprinklers and alarms), fire hydrants and spacing, fire access including ingress/egress, turning radii, driveway width, and grading would be prepared for review and approval by the City and LACFD. Overall, with compliance to the applicable requirements of the 2019 CBC, 2019 CFC, and LACFD, and due to the temporary nature of the necessary construction activities, the limited intensity of the

proposed development, and limited operational activities, the Project is not expected to be beyond the scope of available fire and protection services for the City. As such, impacts regarding fire protection and medical services during operation would be less than significant. No mitigation is required.

ii) **Police Protection?**

Less Than Significant Impact. Police protection services for the City, including the Project Site, are provided by the Covina Police Department (CPD). The CPD is comprised of the Operations Division and the Police Support Services Division. The Operations Division is comprised of those divisions which provide the basic police function and is made up of patrol, service area policing, traffic unit, school resource officers, Covina Jail, helicopter support, special response team, and parking enforcement. The Administration Services Division supports the CPD and is comprised of investigations, police records, police communications, police administration, crime prevention, and animal control (CPD, 2022). The CPD police station is located at 444 North Citrus Avenue, approximately 1.8 miles southwest of the Project Site.

Construction

During construction, equipment and building materials could be temporarily stored on-site, which could result in theft, graffiti, and vandalism. However, the Project Site is located in an area with high vehicular activity from East Cypress Street and Glendora Avenue. In addition, the construction site would be fenced along the perimeter, with the height and fence materials subject to review and approval by the City's Public Works Department. As discussed above, construction activities may involve temporary lane closures along East Cypress Street for curbside improvements (e.g., sidewalks, driveways, underground facilities and infrastructure). However, these closures would be temporary in nature and in the event of partial lane closures, both directions of travel on area roadways and access to the Project Site would be maintained. Further, as discussed above, a Construction Management Plan for the Project would be prepared in order to minimize disruptions to through traffic flow, maintain emergency vehicle access to the Project Site and neighboring land uses, and schedule worker and construction equipment delivery to avoid peak traffic hours. Emergency vehicle drivers have a variety of options for avoiding traffic, such as using their sirens to clear a path of travel or driving in the lanes of opposing traffic. Given the visibility of the Project Site from adjacent roadways and surrounding properties, existing CPD presence in the City, maintained emergency access, and construction fencing, the Project is not expected to increase demand on existing police services to a meaningful extent. As such, the Project would have a less than significant temporary impact on police protection during the construction phases. No mitigation is required.

Operation

The Project would include the demolition of the existing 55,321 SF 2-story commercial building (i.e., electronic manufacturing) and the development of a 141,984 SF 3-story public self-storage building. Project features would include a partial basement, a rental office, a temporary monopole cell tower, associated secured surface parking areas, pedestrian walkways, and landscaping. The Project would not generate a new direct residential population as no residential uses are proposed. The Project would require two employees to operate the Public Storage facility. As such, it is

anticipated that the Project would generate fewer employees than those currently generated by the existing commercial use (i.e., electronics manufacturing) at the Project Site. Operational activities of the Project would be limited to periodic landscaping and maintenance and trips by customers of the Public Storage.

As described under Section 2.5.5, *Site Security,* of the Project Description, the Project would incorporate a 24-hour/seven-day video surveillance security system of the parking lots, entry-ways, customer lobbies and pedestrian common areas to ensure the safety of its customers and their belongings. If motion is detected when the facility is closed, an off-site security company will check the video for security issues prior to calling the police or setting off an alarm. If an employee or office manager is present at Public Storage during normal business hours, they will have the necessary knowledge and skill to operate the video surveillance security system to provide the CPD copies of video recordings immediately upon request, if needed. If an employee is not present, a phone number will be displayed to contact personnel that have the necessary knowledge and skill to operate the video surveillance security system to provide the Covina Police Department copies of video recordings upon request. The Project Site would include a 6-foot high tubular steel fence around the perimeter of the north, east, and west secure portions of the site. A 6-foot high CMU wall will be located adjacent to the south property line. The access system requires customers and employees entering the secure area to enter a unique access code at both the sliding security entry gate and the telescoping entry gate. An individual access code is also required to enter the customer lobbies and send the elevator to the floor of the customer's storage unit. This security measure limits who can access parking areas and customer lobbies and allows management to review who has entered and exited these areas, if necessary. The Project design would include lighting of parking lots, entry-ways, and pedestrian common areas for site security purposes.

To ensure that police protection considerations are incorporated into the Project design, prior to issuance of the building permit, the CPD would be provided the opportunity to review and comment upon improvement plans in order to facilitate opportunities for improved emergency access and response; ensure the consideration of design strategies that facilitate public safety and police surveillance; and other specific design recommendations to enhance public safety and reduce potential demands upon police protection services. Due to the temporary nature of the necessary construction activities, the limited intensity of the proposed development, and limited operational activities, the Project is not expected to be beyond the scope of available police protection services for the City. As such, impacts regarding police protection during operation would be less than significant. No mitigation is required.

iii) **Schools?**

Less Than Significant Impact. The Project would include the demolition of the existing 55,321 SF 2-story commercial building (i.e., electronic manufacturing) and the development of a 141,984 SF 3-story public self-storage building. The Project would require two employees to operate the Public Storage facility. As such, it is anticipated that the Project would generate fewer employees than those currently generated by the existing commercial use (i.e., electronics manufacturing) at the Project Site. Pursuant to Education Code Section 17620 and California Government Code

Section 65995, development impact fees may be levied for residential, commercial, and industrial construction. Further, as stated in California Government Code Section 65996, payment of school impact fees in accordance with California Government Code Section 65995 and/or Education Code Section 17620 is deemed to constitute full and complete mitigation for potential impacts to schools caused by development. As such, impacts regarding schools would be less than significant. No mitigation is required.

iv) **Parks?**

Less Than Significant Impact. The City's park system consists of nine parks and two ball fields. The City owns seven of nine parks, two parks are leased from the CVUSD, and recreational activities in the ball fields are conducted under leases with the Charter Oak Unified School District (COUSD) (Covina, 2000). Wingate Park, located approximately 0.10 miles southwest of the Project Site, is a City owned 17-acre regional park developed in 1986. Recreational amenities and features of Wingate Park include one regulation-size lighted roller hockey rink, basketball courts, one tennis court, one paddle ball court, grass playing fields designated for football, soccer, and baseball, two playground areas designated for children aged 5 through 12, a natural trail with two bridges, walkways, picnic tables, restroom facilities and storage area, a composting area, and two parking lots located along North Glendora Avenue and North Grand Avenue. Wingate Park provides facilities for Kare Youth League (year round), American Youth Soccer Organization (A.Y.S.O.), and various community youth sports groups. These facilities are comprised of an office and grass playing fields for football, soccer, and baseball. Wingate Park is located adjacent to the natural Charter Oak Creek, a soft bottom channel, along the southern property line.

The Project would include the demolition of the existing 55,321 SF 2-story commercial building (i.e., electronic manufacturing) and the development of a 141,984 SF 3-story public self-storage building. The Project would not generate a new direct residential population as no residential uses are proposed. The Project would require two employees to operate the Public Storage facility. As such, it is anticipated that the Project would generate fewer employees than those currently generated by the existing commercial use (i.e., electronics manufacturing) at the Project Site. Most employees are not expected to use local parks given limited lunch time hours, and to the extent they do use local parks it would likely be for passive recreation (walking or eating lunch) on weekdays when use of these parks is not considered at peak (i.e., peak usage of parks often occurs on weekends when the office uses are not in operation). The Project Applicant would be required to pay all applicable impacts fees required by the City. Payment of fees would help address any incremental increase in demand for parks facilities that may be caused by implementation of the Project. As such, impacts regarding parks would be less than significant. No mitigation is required.

v) **Other public facilities?**

Less Than Significant Impact. Library services within the City are provided by the Covina Public Library (CPL), located at 234 North Second Avenue. As discussed above, the Project would not generate a new direct residential population as no residential uses are proposed. The Project would require two employees to operate the Public Storage facility. As such, it is

anticipated that the Project would generate fewer employees than those currently generated by the existing commercial use (i.e., electronics manufacturing) at the Project Site. Further, the Project Applicant would be required to pay development fees that would help support library facilities and services. As such, impacts regarding libraries would be less than significant.

The two employees generated by the Project would utilize and, to some extent, inclemently impact the maintenance of public facilities, including roads. However, it is anticipated that the Project would generate fewer employees than those currently generated by the existing commercial use at the Project Site. Construction activities would result in temporary increased use of the surrounding roads. The Project Applicant would be required to pay all applicable impacts fees required by the City. Overall, less than significant impacts to governmental services, including roads, would occur. No mitigation is required.

References

Covina, 2000. City of Covina's General Plan, Natural Resources and Open Space Element, adopted April 18, 2000.

CPD, 2022. City of Covina Police Department Website. Police Operations Division Website, https://covinapd.org/ and https://covinapd.org/services/, accessed April 2022.

LACFD, 2021. Los Angeles County Fire Department Overview Booklet, August 2021, https://fire.lacounty.gov/wp-content/uploads/2021/09/Department-Overview-Booklet_single-pages_9.09.21-A.pdf, accessed April 2022.

LACFD, 2020. Los Angeles County Fire Department 2020 Statistical Summary, https://fire.lacounty.gov/wp-content/uploads/2021/06/2020-Statistical-Summary-FINAL-DRAFT.pdf, accessed April 2022.

Recreation

Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI. RECREATION —				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

Discussion

Would the Project:

a) **Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?**

Less Than Significant Impact. The Project would not generate a new direct residential population as no residential uses are proposed. The Project would require two employees to operate the Public Storage facility. As such, it is anticipated that the Project would generate fewer employees than those currently generated by the existing commercial use (i.e., electronics manufacturing) at the Project Site. Most employees are not expected to use local parks given limited lunch time hours, and to the extent they do use local parks it would likely be for passive recreation (walking or eating lunch) on weekdays when use of these parks is not considered at peak (i.e., peak usage of parks often occurs on weekends when the office uses are not in operation). The Project Applicant would be required to pay all applicable impacts fees required by the City. Payment of fees would help address any incremental increase in demand for parks facilities that may be caused by implementation of the Project. Implementation of the Project would not increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated. As such, a less than significant impact would occur in this regard. No mitigation is required.

b) **Does the Project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?**

No Impact. The Project would include the demolition of the existing 55,321 SF 2-story commercial building (i.e., electronic manufacturing) and the development of a 141,984 SF 3-story public self-storage building. Project features would include a partial basement, a rental office, a temporary monopole cell tower, associated secured surface parking areas, pedestrian walkways, and landscaping. Project implementation does not include recreational facilities and does not require the construction or expansion of recreational facilities. As such, no impacts would occur in this regard.

References

Covina, 2000. City of Covina's General Plan, Natural Resources and Open Space Element, adopted April 18, 2000.

Transportation

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XVII. TRANSPORTATION — Would the project:				
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	☐	☐	☒	☐
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☐	☐	☒	☐
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d) Result in inadequate emergency access?	☐	☐	☒	☐

Discussion

The following analysis is based, in part, on the *Public Storage Covina, California – Trip Generation Analysis* (Trip Generation Memo) (LSA, 2021), located in **Appendix H**, of this Draft IS/MND. The Trip Generation Memo was conducted following the City's *Transportation Study Guidelines* (Guidelines) (Covina, 2020), which are focused on transportation metrics that promote: the reduction of greenhouse gas emissions, the development of multimodal networks and access to diverse land uses, as well as safety, sustainability and smart growth. In compliance with CEQA, the Guidelines identify vehicle miles traveled (VMT) as the primary metric for evaluating a project's transportation impacts. The Trip Generation Memo concluded that, because the Project would generate fewer vehicle trips than those currently generated by the existing use at the Project Site, a quantitative traffic impact analysis is not warranted. As such, the discussion below is primarily qualitative in nature.

Would the Project:

a) **Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?**

Less Than Significant Impact. The Project Site is located in the City within the San Gabriel Valley of Los Angeles County. Regional access to the Project Site is via I-210 to the north, I-10 to the south, and South Azusa Avenue/ SR-39 to the east. Local access to the Project Site is from East Cypress Street immediately to the north and Glendora Avenue to the west.

As described previously in Section 2.6, *Construction Activities and Schedule*, of the Project Description, construction of the Project would last for approximately 12 months, from approximately November 2022 to November 2023. The City's Municipal Code currently limits construction hours to no earlier than 7:00 A.M. and no later than 5:00 P.M., on Monday through Saturday, except on Sundays and federal holidays. Construction of the Project would involve the use of a variety of heavy construction equipment onsite, and approximately 80 personnel would be used for construction of the Project.

During the construction period, construction vehicles would use the roadways that provide access to the Project Site (i.e., Glendora Avenue, East Cypress Street) to deliver materials and haul waste. Workers' vehicles and construction vehicles would access the Project from any of the regional facilities described above, as well as various local, collector, and secondary and primary arterial roadways throughout the City. Roadway users could experience temporary delays from material deliveries, but these delays would be both brief and infrequent. Therefore, they would not affect overall traffic circulation in the vicinity of the Project Site. Construction staging would generally occur on-site and would not affect traffic operations on adjacent roadways. Construction activities would not impede non-motorized travel or public transportation in the vicinity of the Project Site. Although not anticipated, the Project may require a temporary sidewalk and/or lane closure along East Cypress Street adjacent to the Project Site while Project improvements are being made (e.g., driveway closures, sidewalk repairs/replacement, lighting, landscaping). However, through-access for vehicles, bicycles, and pedestrians along all roadways will still be provided. In these instances, the Project Contractor(s) would implement traffic control measures (e.g., construction flagmen, signage, etc.) consistent with required City encroachment permit(s) to maintain flow and access. Any delays would be temporary and would be considered to be less than significant.

The Project would not conflict with any applicable plans, ordinances, or policies establishing measures for effectiveness of the performance of the circulation system, such as the City's General Plan Mobility Element (Covina, 2000) or the City's Bicycle Master Plan (Covina, 2011). Consistent with the City's requirements, trip generation for the Project was calculated using the Institute of Transportation Engineers' (ITE) Trip Generation Manual (ITE, 2020). As detailed in the Trip Generation Memo (**Appendix H**, of this Draft IS/MND), the Project would generate 3 fewer daily vehicle trips, 20 fewer AM peak hour vehicle trips, and 13 fewer PM peak hour vehicle trips as compared to the existing use. In other words, the trip generation characteristics of the Project are less intense than those of the existing use. Therefore, the Project is not expected to substantially degrade traffic operations or roadways in the Project vicinity, nor would it impede non-motorized travel or public transportation. As such, impacts would be less than significant.

Based on the above discussion, the Project would not conflict with adopted policies, plans, or programs addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities. As mentioned above, the Project would not impede travel in the vicinity of the Project Site, and would not decrease the performance or safety of such facilities. As a result, impacts would be less than significant. No mitigation is required.

b) **Would the Project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?**

Less Than Significant Impact. Based on the City's adoption of Resolution CC 2020-56 and the City's new guidelines regarding the VMT thresholds of significance for the purposes of analyzing transportation impacts under CEQA, the Project's VMT is evaluated herein against these thresholds. These thresholds are also consistent with the recommended screening criteria contained in the State of California Governor's Office of Planning and Research (OPR)'s 2018 Technical Advisory on Evaluating Transportation Impacts in CEQA (OPR, 2018).

The City's Guidelines have established screening criteria pertaining to project trip generation forecasts, project land use types (i.e., local serving retail, affordable housing, etc.), proximity to transit, and locality within a low VMT-generating area. The City's Guidelines provide the following three (3) types of potential screening criteria that may be applied to screen projects from project-level assessment: Transit Priority Areas Screening, Low VMT-generating Areas Screening, and Project Type Screening. The Project Type Screening indicates that projects generating less than 110 daily vehicle trips may be screened out of a quantitative VMT analysis due to the presumption of a less than significant impact. After taking credit for the existing use, the Project would result in 3 fewer daily trips to and from the Project Site, which qualifies for the Project Type Screening for projects that generate fewer than 100 daily vehicle trips. Therefore, based on this analysis, the Project would result in a less than significant impact related to VMT. No mitigation is required.

c) **Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?**

Less Than Significant Impact. While it is expected that the majority of construction activities associated with the Project would be mostly confined on-site, construction activities could encroach into the public right-of-way along East Cypress Street adjacent to the Project Site while curbside improvements are being made (e.g., sidewalks, driveways, underground facilities and infrastructure). In addition, slow-moving and large construction vehicles may be present in and around the Project Site, which could reduce visibility and increase roadway congestion for other roadway users. However, in accordance with the City's Public Works Department, the Project Contractor(s) would develop a Construction Management Plan, subject to City review and approval, that would ensure that safe travel conditions are maintained for vehicles, bicycles, pedestrians, and transit vehicles. Therefore, Project construction would not introduce any geometric design features or incompatible uses, and this impact would be less than significant.

The Project would reduce the number of driveways on East Cypress Street from three to one, which would reduce existing hazards related to vehicles driving into and out of driveways (i.e., potential conflicts with pedestrians on sidewalks, or bicyclists and other vehicles traveling on the roadway). There are no existing hazardous design features such as sharp curves or dangerous intersections on-site or within the Project vicinity. The Project would not alter existing street patterns in the vicinity. As part of the Project approvals process, on-site circulation plans for the Project are required to be reviewed for compliance with the City's Engineering Standards, which include design specifications for driveways and internal circulation to ensure safe and efficient travel of vehicles, bicycles, pedestrians, and transit vehicles. Therefore, the Project would not introduce any geometric design features or incompatible uses, and this impact would be less than significant. No mitigation is required.

d) **Result in inadequate emergency access?**

Less Than Significant Impact. The Project Site is located in an established urban area that is well served by the surrounding roadway network. While it is expected that the majority of construction activities associated with the Project would be confined on-site, there is the possibility that

construction activities may involve a temporary lane closure adjacent to the Project Site on East Cypress Street while curbside improvements are being made (e.g., driveway closures, sidewalk repairs/replacement, lighting, landscaping). However, through-access for drivers, including emergency personnel, along East Cypress Street will still be provided. In a lane closure were to occur, the Project Contractor(s) would implement traffic control measures (e.g., construction flagmen, signage, etc.) consistent with required City encroachment permit(s) to maintain flow and access. Furthermore, in accordance with the City's Public Works Department, the Project Contractor(s) would develop a Construction Management Plan, subject to City review and approval, that includes designation of a haul routes to ensure that adequate emergency access is maintained during construction. Therefore, Project construction is not expected to result in inadequate emergency access, and a less than significant construction impact would occur.

With respect to operation of the Project, the LACFD, which provides fire and paramedic services for the City, and other relevant City departments would review the final design and on-site circulation of the Project, to ensure that there is adequate emergency access. As noted previously, the Project generate fewer vehicle trips than the existing use and, therefore, would not result in additional delays to emergency vehicles traveling on roadways adjacent to the Project Site. Therefore, operation of the Project is not expected to result in inadequate emergency access, and a less than significant construction impact would occur. No mitigation is required.

References

Covina, 2000. City of Covina, Covina General Plan Circulation Element, April 2000.

Covina, 2011. City of Covina, City of Covina Bicycle Master Plan, September 2011.

Covina, 2020. City of Covina, Transportation Study Guidelines for Vehicle Miles Traveled and Level of Service (LOS) Assessment, October 2020.

Covina, 2022. City of Covina Municipal Code, passed January 18, 2022, https://www.codepublishing.com/CA/Covina/, accessed April 2022.

LSA, 2021. LSA Associates, Inc., Public Storage Covina, California – Trip Generation Analysis, July 30, 2021.

ITE, 2021. Institute of Transportation Engineer's Trip Generation Manual, 2021.

OPR, 2018. California Office of Planning and Research, Technical Advisory on Evaluating Transportation Impacts in CEQA, April 2018.

Tribal Cultural Resources

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XVIII. TRIBAL CULTURAL RESOURCES —				
a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources. Code Section 5020.1(k), or	☐	☒	☐	☐
ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

Discussion

Would the Project:

a) **Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:**

i) **Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources. Code Section 5020.1(k), or**

ii) **A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.**

Less Than Significant Impact with Mitigation Incorporated (ai-aii). The California NAHC maintains a confidential SLF, which contains records of sites of traditional, cultural, or religious value to the Native American community. The NAHC was contacted on December 3, 2021 to request a search of the SLF. The NAHC responded to the request in a letter January 27, 2022, with the results of the SLF search conducted by the NAHC indicated a positive search result. The

NAHC indicated that the Gabrieleno Band of Mission Indians – Kizh Nation should be contacted for information regarding known and recorded sites. The City contacted the Gabrieleno Band of Mission Indians – Kizh Nation as part of AB 52 consultation for more information on the Project Site and vicinity.

Pursuant to the requirements of AB 52 requiring government-to-government consultation, the City, as the lead agency, sent consultation notification letters via certified mail to Native American groups geographically and culturally affiliated with the Project Site on October 5, 2021. The letters included a description of the Project, the description of the Project location, and a notification of the type of consultation being initiated. To date, the City has received one response from the Native American groups regarding consultation, the details of which are provided below.

As indicated above, only one response was received. The Gabrieleno Band of Mission Indians-Kizh Nation has corresponded with City staff between October 7 and December 10, 2021. The Gabrieleno Band of Mission Indians-Kizh Nation stated that the Project Site is located within the tribe's traditional ancestral territory and requested formal government-to-government consultation. The Gabrieleno Band of Mission Indians-Kizh Nation provided a map of the Kizh Nation Ancestral Tribal Territory. On November 30, 2022, representatives from the City and the Gabrieleno Band of Mission Indians-Kizh Nation met via a telephone conference. During the call, the Gabrieleno Band of Mission Indians-Kizh Nation provided their knowledge of the Project Site and the nearby village of *Weniinga*, and their concerns about the sensitivity of the Project. The Gabrieleno Band of Mission Indians-Kizh Nation indicated that the Project Site is archaeologically sensitive, but did not identify any known tribal cultural resources (as defined in Public Resources Code Section 21074) within the Project Site. The Tribe recommended monitoring during construction.

Although no substantial evidence was provided to support the Gabrieleno Band of Mission Indians-Kizh Nation statement that any known sacred lands or tribal cultural resources overlap with or occur within the Project Site, the City's review of the tribe's information concluded that the Project Site has potentially high sensitivity for buried archaeological resources that, once encountered, could potentially be considered a tribal cultural resource as defined in PRC Sections 21074, 5020.1(k), or 5024.1.

Should any unanticipated prehistoric archaeological resources discovered during ground disturbance be determined to be tribal cultural resources through consultation between the City and California Native American tribes, PRC Section 21084.3 would apply. PRC Section 21084. requires consideration of avoidance and preservation, as well as mitigation measures outlined in PRC Section 21084.3 (b)(1)-(4), to avoid or minimize significant adverse impacts to tribal cultural resources.

Implementation of Mitigation Measure **TCR-1** would avoid and/or substantially lessen the above impact by ensuring that any unanticipated tribal cultural resources are appropriately identified, documented, evaluated, and treated promptly, so they are not inadvertently damaged or destroyed.

With implementation of Mitigation Measure **TCR-1**, the impact to any unanticipated tribal cultural resources would be less than significant.

Mitigation Measures

TCR-1: Prior to the commencement of any ground disturbing activity at the Project Site, the City shall retain a Native American Monitor approved by the Gabrieleno Band of Mission Indians –Kizh Nation – the tribe that consulted on this Project pursuant to AB 52 (Tribe, Consulting Tribe). The Tribal Monitor will only be present on-site during the construction phases that involve ground-disturbing activity. Ground disturbing activities are defined by the Tribe as activities that may include, but are not limited to, pavement removal, potholing, or auguring, grubbing, tree removals, boring, grading, excavation, drilling, and trenching within the Project Site. The on-site Tribal monitoring shall end when all ground-disturbing activities on the Project Site are completed, or when the Tribal representatives and Tribal Monitor have indicated that the Project Site has little to no potential for impacting tribal cultural resources.

Upon discovery of any tribal cultural resources, construction activities shall cease within 50-feet in the immediate vicinity of the find, until the find can be assessed. All tribal cultural resources unearthed by the Project shall be evaluated by the Tribal Monitor approved by the Consulting Tribe and the qualified archaeologist. If the resources are Native American in origin, the Consulting Tribe will retain it/them in the form and /or manner the Tribe deems appropriate, for education, cultural and/or historic purposes. Work may continue in other parts of the Project Site while evaluation, and if necessary mitigation takes place. Preservation in place is the preferred manner of treatment. If preservation in place is not feasible, treatment may include implementation of archaeological data recovery excavation to remove the resources along with laboratory processing and analysis.

Utilities and Service Systems

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XIX. UTILITIES AND SERVICE SYSTEMS — Would the project:				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☒	☐
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

Discussion

Would the Project:

a) **Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?**

Less Than Significant Impact.

Water

Water service is provided to the Project Site through the CIC, which obtains water from the Main San Gabriel Groundwater Basin and from the San Gabriel River (Covina, 2022). The City's water supply sources include purchased treated local groundwater and treated surface water from the CIC and imported surface water supplies from the Three Valleys Municipal Water District, which is water that is imported by the Metropolitan Water District (MWD) of Southern California (Covina, 2022).

During construction of the Project, there would be a temporary, intermittent demand for water for such activities as soil watering for site preparation, fugitive dust control, concrete preparation, cleanup, and other short-term activities. Construction-related water usage is not expected to have an adverse impact on available water supplies or the existing water distribution system.

The Project would include the demolition of the existing 55,321 SF 2-story commercial building (i.e., electronic manufacturing) and the development of a 141,984 SF 3-story public self-storage building. Development of the Project would result in an increase in long-term water demand for operational uses, maintenance, and other activities on the Project Site. CalEEMod default water usage rates were used to estimate the water demand of the existing commercial use and the anticipated water demand of the Project (**Appendix A**, of this Draft IS/MND). The existing commercial use is estimated to consume approximately 12,792,800 million gallons per year (MGY) (or 39.26 acre feet [AF] per year) while the Project is estimated to consume approximately 33,144,826.20 MGY (or 101.72 AF per year), resulting in a net increase of 20,352,026.20 MGY (or 62.46 AF per year) of consumed water over existing conditions. According to the City's 2020 Urban Water Management Plan (UWMP), the reliable quantities of existing water supply in Year 2020 was 5,387 AF per year with projected water supply for Year 2025 is 5,607 AF per year (Covina, 2020). As estimated above, the Project would consume a net increase of approximately 62.46 AF per year which is approximately one percent of the CIC's projected water supply for Year 2025 and would not significantly impact existing and future water service. Further, the Project would comply with CALGreen, which requires water-efficient appliances and fixtures, thereby ensuring efficient use of water at the Project Site. Lastly, the Project Applicant would be required to pay water connection fees. The CIC would use these fees, at least in part, to fund projects and programs necessary to meet the regulatory obligation with respect to treatment requirements, treatment capacity, and supply reliability. As such, the Project not require or result in the construction or expansion of water facilities. Impact would be less than significant in this regard. No mitigation is required.

Wastewater

Wastewater service is provided to the Project Site by the Sanitation Districts of Los Angeles County (LACSD) (Covina, 2017). During construction of the Project, a negligible amount of wastewater would be generated by construction workers. It is anticipated that portable toilets would be provided by a private company and the waste disposed off-site. Wastewater generation from construction activities is not anticipated to cause a measurable increase in wastewater flows at a point where, and at a time when, a sewer's capacity is already constrained or that would cause a sewer's capacity to become constrained.

The Project would include the demolition of the existing 55,321 SF 2-story commercial building (i.e., electronic manufacturing) and the development of a 141,984 SF 3-story public self-storage building, resulting in an increase in wastewater generation. Wastewater generation on-site is estimated to be equivalent to indoor water demand. As such, the wastewater generation of the existing commercial use is estimated to be approximately 12,792,800 MGY (or 35,049 gallons per day [GPD]) while the Project is estimated to generate approximately 32,784,660 MGY (or 89,821 GPD) resulting in a net increase of 19,991,860 MGY (or 54,772 GPD) of wastewater over existing conditions (see **Appendix A**, of this Draft IS/MND. The Project would deliver sewage into the City's sewer collection system, which is operated and maintained by the City's Public Works Department and treated by LACSD. The water reclamation plants serving the City include the San Jose Creek Water Reclamation Plant (SJCWRP) and the Joint Water Pollution Control Plant. The SJCWRP has the capacity to provide tertiary treatment for approximately 100 million gallons per day (MGD) and serves an estimated population of one million persons (LACSD,

2022a). The Joint Water Pollution Control Plant currently has the capacity to provide primary and secondary treatment for approximately 400 MGD of wastewater and serves an estimated population of 4.8 million persons (LACSD, 2022b). As such, based on the capacities of the SJCWRP and the Joint Water Pollution Control Plant, the wastewater generated by the Project would be negligible. As such, the Project would not exceed current capacities of the wastewater treatment system and would not significantly impact existing wastewater treatment systems such that new facilities would be required. Further, the Project Applicant would be required to pay sewer connection fees. The providers would use these fees, at least in part, to fund projects and programs necessary to meet their regulatory obligation with respect to treatment requirements and treatment capacity. As such, the Project not require or result in the construction or expansion of wastewater facilities. Impact would be less than significant in this regard. No mitigation is required.

Stormwater

Stormwater runoff is collected through existing inlets, catchment basins and underground storm drains that are maintained either privately or by the City (LARWQCB, 2014). Construction of the Project would result in ground surface disruption during typical construction activities such as demolition, site preparation, and grading and excavation. However, compliance with a project-specific erosion and sediment control plan that is required per the City's Stormwater Quality and Urban Runoff Control Ordinance would ensure that stormwater runoff is minimized during construction, the extent feasible. Further, consistent with the requirements of the LA County NPDES, a SWPPP would be prepared that incorporates BMPs set forth in the project specific erosion and sediment control plan that would ensure a less than significant impact would occur to stormwater drainage infrastructure during construction.

As discussed in Section X, *Hydrology and Water Quality*, the Project would be constructed to match the existing drainage conditions (DRC Engineering, 2021). The City would design and construct new facilities to capture and convey stormwater runoff and pollution in accordance with the existing LA County NPDES permits. Permits to connect to existing storm drainage systems would be required to obtain prior to construction. All drainage plans are subject to City review and approval. In accordance with the LA County NPDES and the City's Stormwater Quality and Urban Runoff Control Ordinance, the Project Applicant would be required to prepare and comply with a Low Impact Development (LID) Plan. Compliance with the City's Stormwater Quality and Urban Runoff Control Ordinance would reduce the peak volume of stormwater runoff discharged into the City's storm drain system and would ensure that stormwater is retained on-site, to the extent feasible. As such, the Project would not require the construction or expansion of off-site stormwater drainage facilities. As such, impacts would be less than significant in this regard. No mitigation is required.

Electric Power

As discussed in Section VI, *Energy*, the Project would be serviced by SCE. The electricity used for construction activities would be temporary and minimal; it would be within the supply and infrastructure service capabilities of SCE and it would not require additional local or regional capacity. The Project Site would connect to the existing power grid. New electrical connections to the Project Site would be install via undergrounded lines. Although the Project would require new

electrical line tie-ins for service, Project implementation would not result in the need for new electrical substations or electrical generating facilities. SCE conditions of approval would apply to the Project. As such, a less than significant impact would occur in this regard. No mitigation is required.

Natural Gas

As discussed in Section VI, *Energy*, the Project would not use natural gas or be connected to the natural gas system. As such, no impact would occur in this regard.

Telecommunication Facilities

The City is supported by telecommunication services from a variety of providers. Spectrum provides residential and business services throughout the City. Fiber optic cables and high-speed connection services from wireless providers such as Spectrum are available to service the Project Site. The Project Site would be required to comply with all federal, State and local regulations for installation and wiring of telecommunications to the Project. With adherence to existing City and State electrical, building and safety code requirements, Project implementation would have a less than significant impact. No mitigation is required.

b) **Have sufficient water supplies available to serve the Project and reasonably foreseeable future development during normal, dry and multiple dry years?**

Less Than Significant Impact. As discussed in Section XIX(a), water service is provided to the Project Site through the CIC, which obtains water from the Main San Gabriel Groundwater Basin and from the San Gabriel River (Covina, 2022). The City's water supply sources include purchased treated local groundwater and treated surface water from the CIC and imported surface water supplies from the Three Valleys Municipal Water District, which is water that is imported by the MWD of Southern California (Covina, 2022). The existing commercial use is estimated to consume approximately 12,792,800 million gallons per year (MGY) (or 39.26 acre feet [AF] per year) while the Project is estimated to consume approximately 33,144,826.20 MGY (or 101.72 AF per year), resulting in a net increase of 20,352,026.20 MGY (or 62.46 AF per year) of consumed water over existing conditions. According to the City's 2020 UWMP, the reliable quantities of projected normal year water supply for Year 2025 is 5,607 AF per year. The projected single dry year water supply for Year 2025 is 5,460 AF per year. The projected multiple dry year for Year 2025 is 5,908 AF per year for the first year, 6,322 AF per year for the second year, 6,304 AF per year for the third year, 5,615 AF per year for the fourth year, and 4,821 AF per year for the fifth year (Covina, 2020). As such, the estimated water consumption of the Project would be within the CIC's future projected water supply for normal, dry, and multiple dry years. Further, the Project would comply with CALGreen, which requires water-efficient appliances and fixtures, thereby ensuring efficient use of water at the Project Site. Lastly, the Project Applicant would be required to pay water connection fees. The CIC would use these fees, at least in part, to fund projects and programs necessary to meet the regulatory obligation with respect to treatment requirements, treatment capacity, and supply reliability. As such, a less than significant impact would occur in this regard. No mitigation is required. No mitigation is required.

c) **Result in a determination by the wastewater treatment provider which serves or may serve the Project that it has adequate capacity to serve the Project's projected demand in addition to the provider's existing commitments?**

Less Than Significant Impact. As discussed in Section XIX(b), the Project would deliver sewage into the City's sewer collection system, which is operated and maintained by the City's Public Works Department and treated by LACSD. The water reclamation plants serving the City include SJCWRP and the Joint Water Pollution Control Plant. The SJCWRP has the capacity to provide tertiary treatment for approximately 100 MGD (LACSD, 2022a). The Joint Water Pollution Control Plant currently has the capacity to provide primary and secondary treatment for approximately 400 MGD of wastewater (LACSD, 2022b). The wastewater generation of the existing commercial use is estimated to be approximately 12,792,800 MGY (or 35,049 gallons per day [GPD]) while the Project is estimated to generate approximately 32,784,660 MGY (or 89,821 GPD) resulting in a net increase of 19,991,860 MGY (or 54,772 GPD) of wastewater over existing conditions. As such, based on the capacities of the SJCWRP and the Joint Water Pollution Control Plant, wastewater generated by the Project would be minimal and would not exceed current capacities of these wastewater plants. As such, impacts would be less than significant in this regard. No mitigation is required.

d) **Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?**

Less than Significant Impact. Demolition of the Project would include removal of 55,321 SF of the existing 2-story commercial building and the existing pavement and base materials in the parking lot. The City's Construction and Demolition Debris Management Program requires 75 percent of all construction waste materials be recycled. The City maintains an exclusive franchise agreement with Athens Services to carry out the City's Construction and Demolition Diversion Program for construction contractor (Covina, 2022b). The City's requirement of 75 percent construction waste diversion rate would reduce solid waste from construction associated with the Project. The remaining 25 percent of construction materials that are not required to be recycled would either be disposed of or voluntarily recycled at a solid waste facility with available capacity. Any hazardous wastes that are generated during construction activities would be managed and disposed of in compliance with all applicable federal, State, and local laws.

The Project's estimated solid waste generated during operation would result from the 900 SF of office use. Customers of Public Storage would be required to dispose of their own waste off-site and the trash enclosure to be located in the rear of the proposed building in the southeastern portion of the Project Site would be locked. CalEEMod default solid waste rates were used to estimate the amount of solid waste generated as a result of the existing commercial use and the anticipated solid waste generation of the Project (**Appendix A**, of this Draft IS/MND). The existing commercial use is estimated to generate approximately 68.6 tons of solid waste per year while the Project is estimated to generate approximately 0.84 tons of solid waste annually, resulting in a net decrease of 67.76 tons of solid waste generated annually over existing conditions. As discussed above, solid waste generated by the Project would be collected by

Athens Services and transported to a local or regional landfill. Athens Services uses regional landfills in both Los Angeles County and San Bernardino County to dispose of waste from its collection, transfer, and disposal services. The Los Angeles County landfills have an estimated remaining permitted capacity of 142.67 million tons (County of Los Angeles, 2020). The remaining life of Los Angeles County landfills ranges from approximately 8 years for the Pebbly Beach Landfill to 35 years for the Savage Canyon Landfills (County of Los Angeles, 2020). San Bernardino County landfills have an estimated remaining capacity of 164,209,140 tons (County of San Bernardino, 2018). The remaining life of the San Bernardino County landfills is approximately 15 years (County of San Bernardino, 2018). Solid waste generated by the Project each year would be negligible relative to the remaining permitted capacity of both County landfills. As such, a less than significant impact would occur in this regard. No mitigation is required.

e) **Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?**

Less than Significant Impact. All local governments, including the City, are required under Assembly Bill 939 (AB 939), the Integrated Waste Management Act of 1989, to develop source reduction, reuse, recycling, and composting programs to reduce tonnage of solid waste going to landfills. The Project would be required to comply with all local, state, and federal requirements for integrated waste management (i.e., recycling, green waste) and solid waste disposal. Specifically, the Project would be required to comply with the City's Recycling and Waste Handling Requirement for construction and demolition debris, which requires at least 75 percent of all building and demolition materials to be recycled (Covina, 2022a). As discussed above, Athens Services currently transports all of the City's residential and commercial recycling to a material recovery facility (MRF), where recyclable materials are sorted, and recyclables are separated and processed (Covina, 2022b). As a result, the Project, which would be served by Athens Services, would be in compliance with applicable laws for recycling and disposal of solid waste. As such, a less than significant impact would occur in this regard. No mitigation is required.

References

County of Los Angeles, 2020. Los Angeles County Public Works, County of Los Angeles Countywide Integrated Waste Management Plan, 2020 Annual Report, dated October 2021.

County of San Bernardino, 2018. County of San Bernardino Solid Waste Management Division, County of San Bernardino Countywide Siting Element, Countywide Integrated Waste Management Plan, amended 2018.

Covina, 2020. City of Covina, 2020 Urban Water Management Plan, May 2021.

Covina, 2022a. City of Covina Website, Construction & Demolition Debris Management, https://covinaca.gov/publicworks/page/construction-demolition-debris-management, accessed April 2022.

Covina, 2022b. City of Covina Website, Construction & Demolition Debris Management Program, Background and Reference,

https://covinaca.gov/sites/default/files/fileattachments/public_works/page/579/background_and_reference.pdf, accessed May 2022.

DRC Engineering, 2021. Preliminary Hydrology Study for Public Storage.

LACSD, 2022a. San Jose Creek Water Reclamation Plant website, https://www.lacsd.org/services/wastewater-sewage/facilities/san-jose-creek-water-reclamation-plant#:~:text=The%20facility%20currently%20has%20a,some%20of%20the%20attached%20documents., accessed April 2022.

LACSD, 2022b. Joint Water Pollution Control Plan (JWPCP) website, https://www.lacsd.org/services/wastewater-sewage/facilities/joint-water-pollution-control-plant, accessed April 2022.

LARWQCB, 2014. Los Angeles County Regional Water Quality Control Board (LARWQCB) Water Quality Control Plan (Basin Plan) 2014.

Wildfire

Issues (and Supporting Information Sources):	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XX. WILDFIRE — If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☒
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☐	☒
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☒

Discussion

Would the Project:

a) **Substantially impair an adopted emergency response plan or emergency evacuation plan?**

b) **Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose Project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?**

c) **Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?**

d) **Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?**

No Impact (a-d). The CAL FIRE maps FHSZs, based on factors such as fuel, slope, and fire weather to identify the degree of fire hazard throughout California (i.e., moderate, high, or very high). While FHSZs do not predict when or where a wildfire will occur, they do identify areas where wildfire hazards could be more severe and therefore are of greater concern. The Project Site is not designated as a State Responsibility Area nor is the Project Site near a State Responsibility Area (CAL FIRE, 2020). According to the CAL FIRE, Covina Fire Hazards Severity Zone Map for the Local Responsible Areas (LRAs), the Project Site is designated as a non-Very High FHSZ (CAL FIRE, 2020). The Project Site is outside of areas identified by CAL FIRE as having substantial or very high risk (CAL FIRE, 2020). Further, the Project Site is

located in a highly urbanized area of the City predominately developed with residential, commercial, and school uses. The Project Site is currently developed with an approximately 55,321 SF 2-story commercial building occupied by "TT Electronics Power Solutions" which is used for electronics manufacturing. The remainder of the Project Site consists of asphalt-paved surface parking lots and ornamental landscaped areas. No increase of wildfire hazard is expected as a result of the Project. Therefore, no impacts would occur in this regard.

References

CAL FIRE, 2020. California Department of Forestry and Fire Protection, California Fire Hazard Severity Zone Viewer. [online]: https://egis.fire.ca.gov/FHSZ/, accessed May 2022.

Covina, 2000. City of Covina's General Plan, Safety Element, adopted April 18, 2000.

Mandatory Findings of Significance

Issues (and Supporting Information Sources):	*Potentially Significant Impact*	*Less Than Significant with Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
XXI. MANDATORY FINDINGS OF SIGNIFICANCE —				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	☐	☒	☐	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐

Discussion

a) **Does the Project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?**

Less Than Significant Impact with Mitigation Incorporated. Based on geotechnical testing conducted for the Project Site, artificial fill is known to extend from the Project Site's surface to a depth of 6 feet below ground surface, and the fill is underlain by Quaternary alluvium. As such, the archaeological sensitivity assessment indicates Project-related ground disturbing activities from the Project Site's surface to a depth 6 feet below ground surface (bgs) have no potential for encountering intact archaeological deposits (based on the previous disturbances in the Project Site), and the likelihood for encountering intact archaeological deposits below 6 feet bgs within the Quaternary alluvium is low to moderate. The Project's proposed ground disturbance would extend to a maximum depth of 10 feet bgs, intruding into the Quaternary alluvium. Therefore, there is some potential, albeit low to moderate, for Project-related ground disturbance to encounter intact subsurface archaeological deposits underlying the artificial fill below depths of 6 feet bgs. Should subsurface archaeological deposits be encountered during Project implementation, they may qualify as historical resources pursuant to CEQA and could be subject to significant impacts. With the incorporation of Mitigation Measures **CUL-1** through **CUL-3**, potential impacts to subsurface archaeological deposits that qualify as historical resources would be less than significant**.**

The construction activities within the Project Site would include the excavation of soil or removal of groundwater (dewatering). Construction of the Project involve the excavation of soils or extraction of groundwater from a site with existing contamination, and the contaminated materials are improperly handled, it could expose construction workers, the public, and the environment to hazardous materials. This would be a potentially significant impact. There are numerous regulations covering the transportation, use, storage, and disposal of hazardous materials during construction activities. The required compliance with these regulations would reduce the exposure to hazardous materials. However, in order to ensure Project excavation would not encounter existing contamination and inadvertently expose construction personnel, the public, or the environment, the Project Applicant shall implement Mitigation Measures **HAZ-1** through **HAZ-3**.

The City has not adopted a numeric threshold for construction activity noise. The Project would generate construction noise levels in excess of the prevailing ambient noise levels measured at the off-site sensitive receiver locations (R1: 57.4 dBA Leq; R2, 66.4 dBA Leq; R3, 65.8 dBA Leq; R4, 57.2 dBA Leq). As stated above, the City's General Plan Noise Element Policy Area 1 requires noise-reduction techniques and features in site planning, architectural design, project landscaping, building materials, and/or construction, where necessary or required by law. Based on the Project construction noise levels and that such levels would exceed the prevailing ambient noise levels measured at the off-site sensitive receiver locations by a measurable margin, a temporary mitigation measure requiring the use of construction noise barriers with sufficient height to block the line-of-sight between the Project construction area and adjacent sensitive receiver, are recommended during certain phases of Project construction. Therefore, on-site construction near Project's northern and southern areas is recommended to be shielded by a temporary construction noise barrier that can reduce the construction noise by up to 10 dBA. This temporary construction noise barrier is required to be at a minimum 8 feet in height above the ground surface and of sufficient height to block the line-of-sight from the Project's construction area and the off-site noise-sensitive receptors. With incorporation of Mitigation Measure **NOI-1**, a temporary construction noise barrier up to 8 feet above ground would be installed on the Project Site in the direction facing the off-site residences located along East Cypress Street to the north of the Project Site and the residences located to the south of the Project Site. which would reduce the construction noise increase in ambient noise levels by up to 10 dBA. Temporary construction noise impacts would be less than significant.

Should any unanticipated prehistoric archaeological resources discovered during ground disturbance be determined to be tribal cultural resources through consultation between the City and California Native American tribes, PRC Section 21084.3 would apply. PRC Section 21084. requires consideration of avoidance and preservation, as well as mitigation measures outlined in PRC Section 21084.3 (b)(1)-(4), to avoid or minimize significant adverse impacts to tribal cultural resources. Implementation of Mitigation Measure **TCR-1** would avoid and/or substantially lessen the above impact by ensuring that any unanticipated tribal cultural resources are appropriately identified, documented, evaluated, and treated promptly, so they are not inadvertently damaged or destroyed. With implementation of Mitigation Measure **TCR-1**, the impact to any unanticipated tribal cultural resources would be less than significant.

Mitigation Measures

Refer to Mitigation Measure **CUL-1** through **CUL-4**, **HAZ-1** through **HAZ-3**, **NOI-1**, and **TCR-1**.

b) **Does the Project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?**

Less Than Significant Impact with Mitigation Incorporated. A cumulative impact could occur if the Project would result in an incrementally considerable contribution to a significant cumulative impact in consideration of the past, present, and reasonably foreseeable future projects for each resource area. The cumulative study area is generally confined to the nearby vicinity of the Project Site. Per the City's List of Development Projects, revised May 11, 2022, three cumulative projects are located within one mile of the Project Site: the Wingate Park Regional EWMP Project, located approximately 0.10 miles southwest of the Project Site; the Cienega Gardens, LLS residential project, located approximately 0.63 miles northeast of the Project Site; and the Masonic Homes project, located approximately 0.80 miles southeast of the Project Site. As described throughout this Draft IS/MND, the Project would result in potentially significant impacts involving cultural resources, hazards and hazardous materials, noise, and tribal cultural resources. However, Mitigation Measures **CUL-1** through **CUL-4**, **HAZ-1** through **HAZ-3**, **NOI-1**, and **TCR-1** have been identified that would reduce these impacts to less than significant levels. Further, the Air Quality analysis in Section III, of this Draft IS/MND, considers cumulative impacts and has determined that cumulative air impacts would be less than significant with no mitigation required. All past, present, and reasonably foreseeable future projects in the City would be subject to the same land use and environmental regulations that have been described throughout this Draft IS/MND. Further, all development projects are guided by the policies identified in the City's General Plan and by the regulations established in the City's Municipal Code. Therefore, compliance with applicable land use and environmental regulations would ensure that environmental effects associated with the Project would not combine with effects from past, present, and reasonably foreseeable future projects in the City to cause cumulatively considerable significant impacts. As such, with implementation of Mitigation Measures **CUL-1** through **CUL-4**, **HAZ-1** through **HAZ-3**, **NOI-1**, and **TCR-1**, the Project would not have impacts that are individually limited, but cumulatively considerable and a less than significant impact would occur.

Mitigation Measures

Refer to Mitigation Measure **CUL-1** through **CUL-4**, **HAZ-1** through **HAZ-3**, **NOI-1**, and **TCR-1**.

c) **Does the Project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?**

Less Than Significant Impact with Mitigation Incorporated. Based on the analysis of the Project's impacts in Sections I through XX, there is no indication that implementation of the Project could result in substantial adverse effects on human beings. While there would be a variety of effects related to cultural resources, hazards and hazardous materials, noise, and tribal cultural resources, these impacts would be less than significant with mitigation incorporated, as necessary. The analysis herein concludes that direct and indirect environmental effects will, at most, require mitigation to reduce potentially significant impacts to less than significant levels. Generally, environmental effects will result in less than significant impacts. Based on the analysis in this Draft IS/MND, the City finds that direct and indirect impacts to human beings will be less than significant with mitigation incorporated, as necessary.

Mitigation Measures

Refer to Mitigation Measure **CUL-1** through **CUL-4**, **HAZ-1** through **HAZ-3**, **NOI-1**, and **TCR-1**.

References

City of Covina, List of Development Projects, Revised May 11, 2022.

SECTION 4
Mitigation Monitoring and Reporting Program

CEQA Requirements

Table 4-1 is a Mitigation Monitoring and Reporting Program (MMRP) for the Project, which has been prepared pursuant to CEQA Guidelines Section 15097 and Public Resources Code Section 21081.6. This MMRP lists all applicable mitigation measures from the IS/MND. The appropriate timing of implementation and responsible party are identified to ensure proper enforcement of the mitigation measures from the IS/MND to reduce Project impacts to less than significant levels. Mitigation measures are presented in the same order as they occur in the IS/MND.

The columns in the MMRP table provide the following information:

Mitigation Measure(s): The action(s) that will be taken to reduce the impact to a less than significant level.

Implementation Action: The action(s) listed out, according to the identified mitigation measure that would be implemented by the responsible agency.

Responsible Implementation Agency: The agency or private entity responsible for ensuring implementation of the mitigation measure. For the Project, the City of Covina, as the CEQA Lead Agency, remains responsible for ensuring that implementation of the mitigation measures occur in accordance with the MMRP (CEQA Guidelines Section 15097(a)).

Timing of Verification: The general timing for implementing each mitigation measure.

Verification Date: The date in which the mitigation measure has been completed.

The MMRP will be kept on file at the following address:

City of Covina, Community Development Department
125 E. College Avenue
Covina CA 91723

TABLE 4-1
MITIGATION MONITORING AND REPORTING PROGRAM FOR THE CITY OF COVINA PUBLIC STORAGE PROJECT

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing Verification
Cultural Resources			
Mitigation Measure CUL-1: Prior to the start of ground-disturbing activities, the Project Applicant shall retain a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (U.S. Department of the Interior, 2012) to carry out Mitigation Measures CUL-2 and CUL-3.	Prior to the start of ground disturbing activities, the Project Applicant shall retain a qualified archaeologist.	Project Applicant Qualified Archaeologist	Prior to the start of ground disturbing activities
Mitigation Measure CUL-2: Prior to the start of ground-disturbing activities, construction personnel shall be trained in the identification of cultural resources. Prior to earth moving activities, the qualified archaeologist shall conduct cultural resources sensitivity training for all construction personnel. Construction personnel shall be informed of the types of archaeological resources that may be encountered, and of the proper procedures be to enacted in the event of an inadvertent discovery of archaeological resources or human remains. The Project Applicant shall ensure that construction personnel are made available for and attend the training and retain documentation demonstrating attendance	Prior to the start of ground-disturbing activities, construction personnel shall be trained in the identification of cultural resources. Prior to earth moving activities, the qualified archaeologist shall conduct cultural resources sensitivity training for all construction personnel.	Project Applicant Qualified Archaeologist Project Contractor	Prior to the start of ground disturbing activities
Mitigation Measure CUL-3: In the event of the unanticipated discovery of archaeological materials, the Project Contractor(s) shall immediately cease all work activities in the area (within approximately 100 feet) of the discovery until it can be evaluated by a qualified archaeologist. Prehistoric archaeological materials might include obsidian and chert flaked-stone tools (e.g., projectile points, knives, scrapers) or tool-making debris; culturally darkened soil ("midden") containing heat-affected rocks, artifacts, or shellfish remains; and stone	In the event of the unanticipated discovery of archaeological materials, the Project Contractor(s) shall immediately cease all work activities in the area (within approximately 100 feet) of the discovery until it can be evaluated by a qualified archaeologist. If an archaeological resource is identified as a result of the survey, the qualified archaeologist will prepare and conduct a testing program to	Project Contractor(s) Qualified Archaeologist	During grading and/or construction.

TABLE 4-1
MITIGATION MONITORING AND REPORTING PROGRAM FOR THE CITY OF COVINA PUBLIC STORAGE PROJECT

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing Verification
milling equipment (e.g., mortars, pestles, handstones, or milling slabs); and battered stone tools, such as hammerstones and pitted stones. Historic-period materials might include stone or concrete footings and walls; filled wells or privies; and deposits of metal, glass, and/or ceramic refuse. Construction shall not resume until the qualified archaeologist has conferred with the City on the significance of the resource. If it is determined that the discovered archaeological resource constitutes a historical resource under CEQA, avoidance and preservation in place is the preferred manner of mitigation. Preservation in place maintains the important relationship between artifacts and their archaeological context and also serves to avoid conflict with traditional and religious values of groups who may ascribe meaning to the resource. Preservation in place may be accomplished by, but is not limited to, avoidance, incorporating the resource into open space, capping, or deeding the site into a permanent conservation easement. In the event that preservation in place is demonstrated to be infeasible and data recovery through excavation is the only feasible mitigation available, an Archaeological Resources Data Recovery and Treatment Plan shall be prepared and implemented by a qualified archaeologist in consultation with the City and the Project Applicant that provides for the adequate recovery of the scientifically consequential information contained in the archaeological resource. The City shall consult with appropriate Native American representatives in determining treatment for prehistoric or Native American resources to ensure cultural values ascribed to	delineate the resource's boundaries and identify presence/absence of subsurface deposits.		

TABLE 4-1
MITIGATION MONITORING AND REPORTING PROGRAM FOR THE CITY OF COVINA PUBLIC STORAGE PROJECT

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing Verification
the resource, beyond that which is scientifically important, are considered			
Mitigation Measure CUL-4: If human remains are encountered, the Project Contractor(s) shall halt work in the vicinity (within 100 feet) of the find and contact the Los Angeles County Coroner in accordance with PRC Section 5097.98 and Health and Safety Code Section 7050.5. If the County Coroner determines that the remains are Native American, the California Native American Heritage Commission (NAHC) will be notified in accordance with Health and Safety Code Section 7050.5, subdivision (c), and PRC Section 5097.98 (as amended by Assembly Bill 2641). The NAHC will designate a Most Likely Descendent (MLD) for the remains per PRC Section 5097.98. Until the landowner has conferred with the MLD, the Project Contractor(s) shall ensure that the immediate vicinity where the discovery occurred is not disturbed by further activity, is adequately protected according to generally accepted cultural or archaeological standards or practices, and that further activities take into account the possibility of multiple burials.	If human remains are encountered, the contractor should halt work in the vicinity (within 100 feet) of the find and contact the Los Angeles County Coroner in accordance with PRC Section 5097.98 and Health and Safety Code Section 7050.5. If the County Coroner determines that the remains are Native American, the California Native American Heritage Commission (NAHC) will be notified in accordance with Health and Safety Code Section 7050.5, subdivision (c), and PRC Section 5097.98 (as amended by Assembly Bill 2641). The NAHC will designate a Most Likely Descendent (MLD) for the remains per PRC Section 5097.98.	Qualified Archaeologist Project Contractor	Prior to and during grading and/or construction.
Hazards and Hazardous Materials			
Mitigation Measure HAZ-1: Soil Vapor Sampling: Prior to start of ground-disturbing activities, including grading, trenching, or excavation, or structure demolition, a soil vapor sampling shall be performed to determine the extent of the vapor encroachment condition that exists at the Project Site. The results of the soil vapor sampling shall be submitted to the local overseeing agency and any required remediation or further delineation of identified contamination	Soil vapor sampling shall be performed to determine the extent of the vapor encroachment condition that exists at the Project Site	Project Applicant City of Covina	Prior to start of ground-disturbing activities, including grading, trenching, or excavation, or structure demolition

TABLE 4-1
MITIGATION MONITORING AND REPORTING PROGRAM FOR THE CITY OF COVINA PUBLIC STORAGE PROJECT

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing Verification
shall be completed prior to commencement of construction.			
Mitigation Measure HAZ-2: Health and Safety Plan: Prior to the start of ground-disturbing activities, including grading, trenching, or excavation, or structure demolition, the Project Applicant shall require that the Project Contractor(s) retain a qualified professional to prepare a site-specific health and safety plan (HASP) in accordance with federal Occupational Safety and Health Administration regulations (29 CFR 1910.120) and California Occupational Safety and Health Administration regulations (8 CCR Section 5192). The HASP shall be implemented by the Project Contractor(s) to protect construction workers, the public, and the environment during all ground-disturbing and structure demolition activities. The HASP shall include designation of a site health and safety officer, a summary of the anticipated risks, a description of personal protective equipment and decontamination procedures, and procedures to follow if evidence of potential soil or groundwater contamination is encountered.	Project Applicant for the specific work proposed shall require that the construction contractor(s) retain a qualified professional to prepare a site-specific health and safety plan (HASP).	Project Contractor Qualified Professional to prepare HASP	Before the start of ground-disturbing activities, including grading, trenching, or excavation, or structure demolition.
HAZ-3: Soil Management Plan: In support of the HASP described in HAZ-2, the Project Applicant shall require that the Project Contractor(s) develop and implement a Soil Management Plan (SMP) for the management of potentially contaminated soil before any ground-disturbing activity. The SGMP shall describe the hazardous materials that may be encountered, the roles and responsibilities of on-site workers and supervisors, training for site workers focused on the recognition of and response to encountering hazardous materials, and protocols for the materials (soil) testing, handling,	The Project Applicants shall require that its contractor(s) develop and implement a Soil Management Plan (SMP).	Project Contractor	Before the start of ground-disturbing activities, including grading, trenching, or excavation, or structure demolition.

TABLE 4-1
MITIGATION MONITORING AND REPORTING PROGRAM FOR THE CITY OF COVINA PUBLIC STORAGE PROJECT

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing Verification
removing, transporting, and disposing of all excavated materials in a safe, appropriate, and lawful manner.			
Noise			
Mitigation Measure NO-1: Prior to the start of grading/excavation on the project site and last until foundation/concrete pour is completed, temporary construction noise barriers shall be installed along the Project's northern and southern boundary, where noise-sensitive residential receptors are located along E Cypress Street to the north and the railroad tracks to the south. This temporary construction noise barrier is required to have a minimum height of 8 feet above ground and shall block the line-of-sight between the construction area and then off-site noise-sensitive receptors.	Temporary construction noise barriers shall be installed along the Project's northern and southern boundary, where noise-sensitive residential receptors are located along E Cypress Street to the north and the railroad tracks to the south.	Project Applicant Project Contractor	Prior to the start of grading/excavation on the project site and last until foundation/concrete pour is completed
Tribal Cultural Resources			
Mitigation Measure TCR-1: Prior to the commencement of any ground disturbing activity at the Project Site, the City shall retain a Native American Monitor approved by the Gabrieleno Band of Mission Indians –Kizh Nation – the tribe that consulted on this Project pursuant to AB 52 (Tribe, Consulting Tribe). The Tribal Monitor will only be present on-site during the construction phases that involve ground-disturbing activity. Ground disturbing activities are defined by the Tribe as activities that may include, but are not limited to, pavement removal, potholing, or auguring, grubbing, tree removals, boring, grading, excavation, drilling, and trenching within the Project Site. The on-site Tribal monitoring shall end when all ground-disturbing activities on the Project Site are completed, or when the Tribal representatives and Tribal Monitor have	Prior to the commencement of any ground disturbing activity at the Project Site, the City shall retain a Native American Monitor approved by the Gabrieleno Band of Mission Indians –Kizh Nation. The Tribal Monitor will only be present on-site during the construction phases that involve ground-disturbing activity. Upon discovery of any tribal cultural resources, construction activities shall cease within 50-feet in the immediate vicinity of the find, until the find can be assessed.	City of Covina Tribal Monitor approved by the Consulting Tribe and the qualified archaeologist	Prior to the commencement of any ground disturbing activity

TABLE 4-1
MITIGATION MONITORING AND REPORTING PROGRAM FOR THE CITY OF COVINA PUBLIC STORAGE PROJECT

Mitigation Measure	Implementation Action	Responsible Implementation Agency/Party	Timing Verification
indicated that the Project Site has little to no potential for impacting tribal cultural resources. Upon discovery of any tribal cultural resources, construction activities shall cease within 50-feet in the immediate vicinity of the find, until the find can be assessed. All tribal cultural resources unearthed by the Project shall be evaluated by the Tribal Monitor approved by the Consulting Tribe and the qualified archaeologist. If the resources are Native American in origin, the Consulting Tribe will retain it/them in the form and /or manner the Tribe deems appropriate, for education, cultural and/or historic purposes. Work may continue in other parts of the Project Site while evaluation, and if necessary mitigation takes place. Preservation in place is the preferred manner of treatment. If preservation in place is not feasible, treatment may include implementation of archaeological data recovery excavation to remove the resources along with laboratory processing and analysis.			

SECTION 5
Preparers and Acronyms

5.1 Preparers

Lead Agency

City of Covina, Community Development Department
125 E. College Avenue, Covina, CA 91723

- Mercenia Lugo, Senior Planner

Initial Study/Mitigated Negative Declaration Preparation

ESA
80 South Lake Avenue
Pasadena, CA 91101

- Ruta K. Thomas, Senior Vice President/Southern CA Regional Director (Project Director)
- Brian Allee, Managing Associate (Project Manager)
- Alan Sako, Director (Air Quality, Greenhouse Gas Emissions, Energy, Noise)
- Tony Chung, Principal Associate (Noise)
- Victoria Hsu, Air Quality and Acoustical Analyst (Air Quality, Greenhouse Gas Emissions, Energy)
- Jonathan Chen, Air Quality and Acoustical Analyst (Noise)
- Scott Holbrook, Principal Ecologist (Biological Resources)
- Mary Cozy, Biologist (Biological Resources)
- Michael Vader, Cultural Resources Specialists (Cultural Resources)
- Fatima Clark, Cultural Resources Specialist (Cultural Resources)
- Brandon Carroll, Environmental Scientist (Hazards and Hazardous Materials)
- Stephanie Breeden, Senior Managing Associate (Hydrology and Water Quality)
- Claudia Watts, Managing Associated (Aesthetics, Geology and Soils, Utilities)
- Shadde Rosenblum, Senior Technical Associate (Transportation)
- Stephan Geissler, Managing Associate (GIS/Graphics)

- Denise Kaneshiro, Senior Graphic Designer (Graphics)

Technical Subconsultant

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Anaheim, CA 92808

- Christopher McKee, P.E.

Giles Engineering Associates, Inc.
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Orange, CA 92865

- John L. Maier, P.E., G.E., Branch Manager
- Terry L. Giles, P.E.., G.E., President and CEO

LSA
20 Executive Park, Suite 200
Irvine, CA 92614

- Ken Wilhelm

5.2 Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AB	Assembly Bill
ACM	Asbestos-Containing Material
ADT	Average Daily Trips
AF	Acre Feet
AQMP	Air Quality Management Plan
BACT	Best Available Control Technology
BMPs	Best Management Practices
CAAQS	California Ambient Air Quality Standards
CBC	California Building Code
CalEEMod	California Emissions Estimator Model
Cal Fire	California Department of Forestry and Fire Protection
CAPCOA	California Air Pollution Control Officers Association

Acronym/Abbreviation	Definition
CARB	California Air Resources Board
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CFC	California Fire Code
CGS	California Geological Survey
CH_4	Methane
CIC	Covina Irrigating Company
City	City of Covina
CNEL	Community Noise Level Equivalent
CO	Carbon Monoxide
CO_2	Carbon Dioxide
CO_2e	Carbon Dioxide Equivalents
COUSD	Charter Oak Unified School District
County	County of Los Angeles
CPD	Covina Police Department
CPL	Covina Public Library
CUPA	Certified Unified Program Agency
CVUSD	Covina Valley Unified School District
CWA	Clean Water Act
DB	Decibels
dBA	A-weighted Sound Pressure Level
DBH	Diameter at Breast Height
DPM	Diesel Particulate Matter
DTSC	California Department of Toxic Substances Control
EIR	Environmental Impact Report
FHSZ	Fire Hazard Severity Zone
FRAP	Fire and Resource Assessment Program
FTA	Federal Transportation Administration
GHG	Greenhouse Gas Emissions
GI	General Industrial
GVW	Gross Vehicle Weight
GWP	Global Warming Potential
HABS	Historic American Buildings Survey
HASP	Health and Safety Plan
HFCs	Hydrofluorocarbons
HMBPs	Hazardous Materials Business Plans
HRA	Health Risk Assessment
HVAC	Heating, Ventilation, and Air Conditions
I-	Interstate
IN/SEC	Inches per Second

Acronym/Abbreviation	Definition
IPCC	Intergovernmental Panel on Climate Change
IS/MND	Initial Study/Mitigated Negative Declaration
ITE	Institute of Transportation Engineers
LACFD	Los Angeles County Fire Department
LACSD	Sanitation Districts of Los Angeles County
LARWQCB	Los Angeles Regional Water Quality Control Board
LBP	Lead-Based Paint
Ldn	Average Equivalent Sound Level Over a 24 Hour Period
LID	Low Impact Development
LOS	Level of Service
LRA	Local Responsibility Area
LST	Localized Significant Threshold
LUST	Leaking Underground Storage Tank
MGD	Million Gallons Per Day
MGY	Million Gallons Per Year
MMT	Million Metric Ton
MND	Mitigated Negative Declaration
MRF	Material Recovery Facility
MRZ	Mineral Resource Zone
MS4	Municipal Separate Storm Sewer System
MT	Metric Ton
$MTCO_2e$	Metric Ton CO_2 Equivalents
MWD	Metropolitan Water District of Southern California
mWH/yr	Megawatt-hours
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
ND	Negative Declaration
NO_X	Oxides of Nitrogen
NO_2	Nitrogen Dioxide
N_2O	Nitrous Oxide
NPDES	National Pollutant Discharge Elimination System
O_3	Ozone
OEHHA	Office of Environmental Health Hazard Assessment
OPR	Office of Planning and Research
OSHA	Occupational Safety and Health Administration
PCBs	Polychlorinated Biphenyls
PCD	Planned Community Development
PFCs	Perfluorocarbons
PM	Particulate Matter
$PM_{2.5}$	Particulate matter, aerodynamic diameter of 2.5 micrometers or less
PM_{10}	Particulate matter, aerodynamic diameter of 10 micrometers or less

Acronym/Abbreviation	Definition
PPM	Parts per million
PPV	Peak Particle Velocity
Q_a	Quaternary Alluvium
RPS	Renewables Portfolio Standards
RWQCB	Regional Water Quality Control Board
RTP	Regional Transportation Plan
SB	Senate Bill
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCCIC	South Central Coast Information Center
SCE	Southern California Edison
SCS	Sustainable Communities Strategy
SF_6	Sulfur Hexafluoride
SGVCOG	San Gabriel Valley Council of Governments
SJCWRP	San Jose Creek Water Reclamation Plant
SLF	Sacred Lands File
SMP	Soil Management Plan
SoCalGas	Southern California Gas
SO_X	Sulfur Oxides
SO_2	Sulfur Dioxide
SR-	State Route
SRA	Source Receptor Area
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TACs	Toxic Air Contaminants
TC-C	Town Center Commercial
TeNS	Technical Noise Supplement
USACE	U.S. Army Corps of Engineers
USDOT	U.S. Department of Transportation
USEPA	United States Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
UWMP	Urban Water Management Plan
VdB	Vibratory Decibel
VHFHSZ	Very High Fire Hazard Severity Zone
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds
WDR	Waste Discharge Requirement

Appendices

Appendix A

Air Quality, Energy, Greenhouse Gas Emissions Assumptions and Modeling

ESA

City of Covina Public Storage Project

Construction Assumptions

Project Site Acreage 2.7 acres (gross) 2.62 acres (net)

Project Summary

Land Use[1]	CalEEMod Landuse Type	Size	Metric
Proposed Storage Building			
Storage	Industrial - Unrefrigerated Warehouse- No Rail	141.084	1000 sf
Office	Commercial- General Office Building	0.90	1000 sf
Landscaping	Recreational - City Park	0.22	acres
Paving	Other Asphalt Surfaces	1.25	acres
Surface Parking	Parking - Parking Lot	26	spaces

Note: removes 16 trees, plants 20 trees, 9,781 sf = 0.22 acres

Parking Spaces

2	bike parking spaces (1 short term, 1 long term)
26	car parking spaces (21 standard, 2 ADA compliant, 3 EV/CAV)
3	loading spaces

Estimated 2 employees of Public Storage

Existing Site Conditions

Land Use[1]	CalEEMod Landuse Type	Size	Metric
TT Electronics Power Solutions (Electronics manufacturing commercial building)	Manufacturing	55.321	1000 sf

Project Description

Location	CEC Forecasting Climate Zone	Start of Construction	Operational Year	Utility Company
Los Angeles County	9	1-Nov-22	2024	Southern California Edison

Construction Schedule[1] Q4 2022 to Q4 2023

Phase Name	CalEEMod Phase Type	Start Date	End Date	Total Days	# of Workers per day	Total One-way Worker Trips per day	Trip Length[2]	Vendor Trips per day	Total One-Way Vendor Trips	Trip Length[2]	Total Haul Trucks	Total One-way Haul Trips	Trucks per day	Maximum Trucks per day	Trip Length[2]
Demolition	Demolition	11/1/2022	1/4/2023	47	10	20	14.7	2	4	6.9	282	564	6	90	11.4
Site Preparation	Site Preparation	1/5/2023	2/20/2023	33	10	20	14.7	2	4	6.9					
Grading/Excavation	Grading	2/21/2023	4/1/2023	29	10	20	14.7	2	4	6.9	500	1000	16	50	11.4
Drainage/Utilities/Trenching	Grading	4/2/2023	5/1/2023	21	25	50	14.7	2	4	6.9					
Foundations/Concrete Pour	Building Construction	5/2/2023	5/20/2023	14	30	60	14.7	75	150	6.9					
Building Construction	Building Construction	5/21/2023	10/31/2023	117	80	160	14.7	2	4	6.9					
Paving	Paving	8/15/2023	9/15/2023	24	15	30	14.7	2	4	6.9					
Architectural Coating	Architectural Coating	9/16/2023	10/15/2023	20	5	10	14.7	1	2	6.9					

Assume 5 days/week

Note: Defaults for building construction. Architectural coating trips are 20% of building construction trips.

Notes

1 Based on data needs request

2 Trip Lengths based on CalEEMod defaults

Construction Equipment City of Covina Public Storage Project

All Equipment would be Tier 3

Phase Name		Equipment Amount[1]	Hours per Day
Demolition	Backhoe	1	
	Haul Trucks	10	included in equipment
	Rough Terrain Forklifts	1	
	Sweeper/Scrubber	1	
Site Preparation	Excavator	1	
	Rough Terrain Forklifts	1	
	Sweeper/Scrubber	1	
Grading/Excavation	Backhoe	1	
	Excavator	1	
	Grader	1	
	Haul Trucks	10	included in equipment
	Rough Terrain Forklifts	1	
	Sweeper/Scrubber	1	
Drainage/Utilities/Trenching	Backhoe	1	
	Rough Terrain Forklifts	1	
	Sweeper/Scrubber	1	
Foundation/Concrete Pour	Backhoe	1	
	Concrete/Industrial Saw	1	
	Rough Terrain Forklifts	1	
Building Construction	Forklift	1	
	Rough Terrain Forklifts	1	
Paving	Pavers	1	
	Paving Equipment	1	
Architectural Coating	Aerial Lift	2	

Source:

1 Construction Data Needs

Excavation City of Covina Public Storage Project

Land Use Excavation/ Grading Quantities[1]	Cut (CY)	Fill (CY)	Site Acreage	Grading Passes	Total Acres Graded
Excavation	11,500	3,500	2.7	3	8.1

Grading/Excavation	Export	
Entire Site Development	8,000	
Total Volume	**8,000**	
Haul Truck Capacity (CY)	16	
Total Haul Trucks	500	
Total One-way Haul Trips	1,000.00	*Enter into CalEEMod*
Duration (days)	33	
Daily Haul Trucks	16	
Max daily haul trucks	40	

Max acreage to be graded on a worst-case day is 2 acres.

Source: 20563_Civil Grading 01 2021-10-20
Construction Data Needs

City of Covina Public Storage Project

Land Use	Concrete Volume (CY)	Concrete Truck Capacity (CY)	Total Trucks Needed (Vendor Trips)
Project	3000	10	300

Land Use	Total Trucks
Project	300
Duration (days)	14
Maximum trucks per day	22.00
Maximum truck trips per day	44.00
Max concrete trucks per day	75

Notes:

1 Construction Data Needs

City of Covina Public Storage Project

Asphalt/Concrete Paving[1]	Amount
Total Asphalt Paving (acres)	1.25
Total Concrete (Cubic Yards)	250

Notes:

1 Construction Data Needs

TOTAL PROJECT DEMOLITION WASTE [1]	**Amount**	
Total Demolition Waste (tons)	2,250	*Enter in CalEEMod*
Total Demolition Waste (CY)	4,500	
Haul Truck Capacity[5]	16	
Total Haul Trucks	282	
Total One-Way Trips	564	*Enter in CalEEMod*
Duration (days)	47	
Haul Trucks per day	**6**	
Max Haul Trucks per day	80	

City of Covina Public Storage Project
Operational GHG Analysis - Year 2024

Estimated Electricity demand from Electric Vehicle Supply Equipment (EVSE)

Land Use Type	Number of Parking Spaces	Number of Parking Spaces with EV Chargers	Average Charge (kWh/day) [a]	Days/Year	Electricity Demand (kWh/yr)	Electricity Demand (MWh/yr)
Total	**26**	**3**	**4.4**	**365**	4,818	4.82

Electricity Emission Factor (MT CO2/MWh)	Electricity Emission Factor (lbs CO2/MWh)	Total EV Charging GHG Emissions Per Year
0.22	484.63	1.06

(MT CH4/MWh)	(lbs CH4/MWh)
1.50E-05	0.033

(MT N2O/MWh)	(lbs N2O/MWh)
1.81E-06	0.00400

Notes:

a. Estimated based on reference sources listed below.

Sources:

US Department of Energy. Alternative Fuels Data Center, 2016. Hybrid and Plug-In Electric Vehicle Emissions Data Sources and Assumptions.
Available at: https://www.afdc.energy.gov/vehicles/electric_emissions_sources.html.

US Department of Energy. Smith, Margaret, 2016. Level 1 Electric Vehicle Charging Stations at the Workplace.
Available at: https://www.afdc.energy.gov/uploads/publication/WPCC_L1ChargingAtTheWorkplace_0716.pdf.

UCLA Luskin Center for Innovation. Williams, Brett and JR deShazo, 2013. Pricing Workplace Charging: Financial Viability and Fueling Costs.
Available at: http://luskin.ucla.edu/sites/default/files/Luskin-WPC-TRB-13-11-15d.pdf.

2019 Calgreen Building Standards Code, Title 24 Part 11
Available: https://library.municode.com/ca/long_beach/codes/municipal_code?nodeId=TIT18LOBEBUSTCO_CH18.47GRBUSTCO_18.47.050AMCASE5.106.5.3.3TA5.106.5.3.WNOEVCHSPCHSTCA

City of Covina Public Storage Project

Utility Provider: SCE

CO2 Intensity Factor RPS under SB100

	Year	RPS Mandate	Electricity Emission Factor (MT CO2/MWh)	Electricity Emission Factor (lbs CO2/MWh)
	Base	0%	0.3925	865.41
	2020[1]	30.90%	0.2712	598.00000
	2020	30.90%	0.2712	598.00
	2021	34.18%	0.2584	569.66
	2022	37.45%	0.2455	541.32
	2023	40.73%	0.2327	512.97
Operational Year	2024	44.00%	0.2198	484.63
	2025	46.67%	0.2094	461.55
	2026	49.33%	0.1989	438.48
	2027	52.00%	0.1884	415.40
	2028	54.67%	0.1780	392.32
	2029	57.33%	0.1675	369.24
	2030	60.0%	0.1570	346.16
	2031	62.7%	0.1465	323.09
	2032	65.3%	0.1361	300.01
	2033	68.0%	0.1256	276.93
	2034	70.7%	0.1151	253.85
	2035	73.3%	0.1047	230.78
	2036	76.0%	0.0942	207.70
	2037	78.7%	0.0837	184.62
	2038	81.3%	0.0733	161.54
	2039	84.0%	0.0628	138.47
	2040	86.7%	0.0523	115.39
	2041	89.3%	0.0419	92.31
	2042	92.0%	0.0314	69.23
	2043	94.7%	0.0209	46.16
	2044	97.3%	0.0105	23.08
	2045	100%	0.0000	0

1 SCE 2020 Power Content Label https://www.energy.ca.gov/filebrowser/download/3902

2 SB-100 California Renewables Portfolio Standard Program: Emissions of Greenhouse Gases, https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180

3 Southern California Edison, 2018. ESG/Sustainability Template. Report date: September 27, 2018. Available: https://www.edison.com/content/dam/eix/documents/sustainability/eix-esg-pilot-quantitative-section-sce.pdf. Accessed April 5, 2019.

Covina Public Storage Project

Regional Emissions

Air Quality Construction Analysis

Regional Maximums Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
					lb/day					
3.2 Demolition - 2022	0.3	14.2	12.7	0.05	1.1	0.4	1.5	0.2	0.4	0.6
3.2 Demolition - 2023	0.3	12.4	12.6	0.05	1.1	0.4	1.5	0.2	0.4	0.6
3.3 Site Preparation - 2023	0.3	6.0	9.4	0.01	0.1	0.4	0.5	0.0	0.4	0.4
3.4 Grading/Excavation - 2023	0.5	14.6	17.6	0.04	0.6	0.6	1.2	0.1	0.6	0.7
3.5 Drainage/Utilities/Trenching - 2023	0.3	5.2	8.7	0.01	0.2	0.3	0.6	0.0	0.3	0.4
3.6 Foundations/Concrete Pour - 2023	0.4	12.3	15.2	0.05	0.8	0.5	1.2	0.2	0.5	0.6
3.7 Building Construction - 2023	0.2	3.3	10.0	0.02	0.7	0.2	0.9	0.1	0.2	0.3
3.8 Paving - 2023	0.4	4.4	8.0	0.01	0.1	0.2	0.4	0.0	0.2	0.2
3.9 Architectural Coating - 2023	66.8	2.0	3.0	0.00	0.1	0.1	0.2	0.0	0.1	0.1
Overlapping Phases										
	ROG	**NOX**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**Total PM10**	**Fugitive PM2.5**	**Exhaust PM2.5**	**Total PM2.5**
2023										
Building Construction+Paving	0.6	7.8	18.0	0.03	0.9	0.4	1.3	0.2	0.4	0.6
Building Construction+Architectural Coating	67.0	5.3	13.0	0.03	0.8	0.3	1.1	0.1	0.3	0.5
Project Daily Maximum Emissions	**67.0**	**14.6**	**18.0**	**0.1**	**1.1**	**0.6**	**1.5**	**0.2**	**0.6**	**0.7**
SCAQMD Regional Significance Threshold	75	100	550	150			150			150
Exceeds Threshold?	No	No	No	No			No			No

Covina Public Storage Project

Summer

Air Quality Construction Analysis

Summer Regional Emissions	Onsite Emissions										Offsite Emissions					
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Total PM10	Total PM2.5
	lb/day										lb/day					
3.2 Demolition - 2022	0.22	5.09	6.87	0.01	0.40	0.36	0.76	0.06	0.36	0.42	0.10	9.10	5.85	0.04	0.72	0.21
3.2 Demolition - 2023	0.22	5.09	6.87	0.01	0.40	0.36	0.76	0.06	0.36	0.42	0.05	7.31	5.74	0.04	0.71	0.20
3.3 Site Preparation - 2023	0.27	5.81	8.45	0.01	0.00	0.35	0.35	0.00	0.35	0.35	0.02	0.22	0.90	0.00	0.11	0.02
3.4 Grading/Excavation - 2023	0.50	10.47	14.01	0.02	0.21	0.58	0.79	0.02	0.58	0.60	0.04	4.16	3.59	0.02	0.44	0.12
3.5 Drainage/Utilities/Trenching - 2023	0.21	4.87	6.58	0.01	0.00	0.34	0.34	0.00	0.34	0.34	0.04	0.31	2.08	0.01	0.25	0.05
3.6 Foundations/Concrete Pour - 2023	0.27	6.09	8.23	0.01	0.00	0.43	0.43	0.00	0.43	0.43	0.12	6.25	6.94	0.04	0.80	0.20
3.7 Building Construction - 2023	0.12	2.69	3.63	0.00	0.00	0.19	0.19	0.00	0.19	0.19	0.12	0.65	6.37	0.02	0.75	0.14
3.8 Paving - 2023	0.38	4.18	6.66	0.01	0.00	0.20	0.20	0.00	0.20	0.20	0.02	0.25	1.29	0.00	0.15	0.03
3.9 Architectural Coating - 2023	66.79	1.89	2.55	0.00	0.00	0.13	0.13	0.00	0.13	0.13	0.01	0.11	0.45	0.00	0.05	0.01

Regional Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Demolition - 2022	0.32	14.19	12.71	0.05	1.06	0.42	1.48	0.21	0.41	0.62
3.2 Demolition - 2023	0.28	12.39	12.61	0.05	1.05	0.41	1.47	0.21	0.41	0.62
3.3 Site Preparation - 2023	0.29	6.04	9.35	0.01	0.10	0.36	0.46	0.02	0.36	0.37
3.4 Grading/Excavation - 2023	0.54	14.63	17.60	0.04	0.62	0.61	1.23	0.11	0.61	0.72
3.5 Drainage/Utilities/Trenching - 2023	0.25	5.19	8.66	0.01	0.24	0.35	0.59	0.04	0.35	0.39
3.6 Foundations/Concrete Pour - 2023	0.39	12.34	15.16	0.05	0.76	0.47	1.23	0.15	0.47	0.62
3.7 Building Construction - 2023	0.24	3.34	10.00	0.02	0.74	0.20	0.94	0.13	0.20	0.32
3.8 Paving - 2023	0.40	4.43	7.96	0.01	0.15	0.20	0.35	0.03	0.20	0.23
3.9 Architectural Coating - 2023	66.80	2.00	3.00	0.00	0.05	0.13	0.19	0.01	0.13	0.14

Overlapping Phases

	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
2023										
Building Construction+Paving	0.6	7.8	18.0	0.0	0.9	0.4	1.3	0.2	0.4	0.6
Building Construction+Architectural Coating	67.0	5.3	13.0	0.0	0.8	0.3	1.1	0.1	0.3	0.5
Project Daily Maximum Emissions	**67.04**	**14.63**	**17.96**	**0.05**	**1.06**	**0.61**	**1.48**	**0.21**	**0.61**	**0.72**

Covina Public Storage Project
Winter
Air Quality Construction Analysis

	x	aj	aw	bs	CC	cw	dl	ec	ep	ff	M	v	ae	av	cg	dt
	M	V	AE	AV	BD	BU	CG	CV	DG	DT						
Winter Regional Emissions					**Onsite Emissions**						**Offsite Emissions**					
Source	**ROG**	**NOX**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**Total PM10**	**Fugitive PM2.5**	**Exhaust PM2.5**	**Total PM2.5**	**ROG**	**NOX**	**CO**	**SO2**	**Total PM10**	**Total PM2.5**
	lb/day										**lb/day**					
3.2 Demolition - 2022	0.22	5.09	6.87	0.009	0.40	0.36	0.76	0.06	0.36	0.42	0.10	9.10	5.85	0.04	0.72	0.21
3.2 Demolition - 2023	0.22	5.09	6.87	0.009	0.40	0.36	0.76	0.06	0.36	0.42	0.05	7.31	5.74	0.04	0.71	0.20
3.3 Site Preparation - 2023	0.27	5.81	8.45	0.011	0.00	0.35	0.35	0.00	0.35	0.35	0.02	0.22	0.90	0.00	0.11	0.02
3.4 Grading/Excavation - 2023	0.50	10.47	14.01	0.021	0.21	0.58	0.79	0.02	0.58	0.60	0.04	4.16	3.59	0.02	0.44	0.12
3.5 Drainage/Utilities/Trenching - 2023	0.21	4.87	6.58	0.009	0.00	0.34	0.34	0.00	0.34	0.34	0.04	0.31	2.08	0.01	0.25	0.05
3.6 Foundations/Concrete Pour - 2023	0.27	6.09	8.23	0.012	0.00	0.43	0.43	0.00	0.43	0.43	0.12	6.25	6.94	0.04	0.80	0.20
3.7 Building Construction - 2023	0.12	2.69	3.63	0.005	0.00	0.19	0.19	0.00	0.19	0.19	0.12	0.65	6.37	0.02	0.75	0.14
3.8 Paving - 2023	0.38	4.18	6.66	0.009	0.00	0.20	0.20	0.00	0.20	0.20	0.02	0.25	1.29	0.00	0.15	0.03
3.9 Architectural Coating - 2023	66.79	1.89	2.55	0.003	0.00	0.13	0.13	0.00	0.13	0.13	0.01	0.11	0.45	0.00	0.05	0.01

Regional Emissions	**ROG**	**NOX**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**Total PM10**	**Fugitive PM2.5**	**Exhaust PM2.5**	**Total PM2.5**
3.2 Demolition - 2022	0.3	14.2	12.7	0.1	1.1	0.4	1.5	0.2	0.4	0.6
3.2 Demolition - 2023	0.3	12.4	12.6	0.0	1.1	0.4	1.5	0.2	0.4	0.6
3.3 Site Preparation - 2023	0.3	6.0	9.4	0.0	0.1	0.4	0.5	0.0	0.4	0.4
3.4 Grading/Excavation - 2023	0.5	14.6	17.6	0.0	0.6	0.6	1.2	0.1	0.6	0.7
3.5 Drainage/Utilities/Trenching - 2023	0.3	5.2	8.7	0.0	0.2	0.3	0.6	0.0	0.3	0.4
3.6 Foundations/Concrete Pour - 2023	0.4	12.3	15.2	0.1	0.8	0.5	1.2	0.2	0.5	0.6
3.7 Building Construction - 2023	0.2	3.3	10.0	0.0	0.7	0.2	0.9	0.1	0.2	0.3
3.8 Paving - 2023	0.4	4.4	8.0	0.0	0.1	0.2	0.4	0.0	0.2	0.2
3.9 Architectural Coating - 2023	66.8	2.0	3.0	0.0	0.1	0.1	0.2	0.0	0.1	0.1

Overlapping Phases

	ROG	**NOX**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**Total PM10**	**Fugitive PM2.5**	**Exhaust PM2.5**	**Total PM2.5**
2023										
Building Construction+Paving	0.6	7.8	18.0	0.0	0.9	0.4	1.3	0.2	0.4	0.6
Building Construction+Architectural Coating	67.0	5.3	13.0	0.0	0.8	0.3	1.1	0.1	0.3	0.5
Project Daily Maximum Emissions	**67.04**	**14.63**	**17.96**	**0.05**	**1.06**	**0.61**	**1.48**	**0.21**	**0.61**	**0.72**

Covina Public Storage Project

Air Quality Construction Analysis

Localized Emissions	Onsite Emissions					
Source	ROG	NOX	CO	SO2	Total PM10	Total PM2.5
	lb/day					
3.2 Demolition - 2022	0.22	5.09	6.87	0.01	0.76	0.42
3.2 Demolition - 2023	0.22	5.09	6.87	0.01	0.76	0.42
3.3 Site Preparation - 2023	0.27	5.81	8.45	0.01	0.35	0.35
3.4 Grading/Excavation - 2023	0.50	10.47	14.01	0.02	0.79	0.60
3.5 Drainage/Utilities/Trenching - 2023	0.21	4.87	6.58	0.01	0.34	0.34
3.6 Foundations/Concrete Pour - 2023	0.27	6.09	8.23	0.01	0.43	0.43
3.7 Building Construction - 2023	0.12	2.69	3.63	0.00	0.19	0.19
3.8 Paving - 2023	0.38	4.18	6.66	0.01	0.20	0.20
3.9 Architectural Coating - 2023	66.79	1.89	2.55	0.00	0.13	0.13

Localized Emissions	ROG	NOX	CO	SO2	Total PM10	Total PM2.5
3.2 Demolition - 2022	0.2	5	7	0.01	0.8	0.4
3.2 Demolition - 2023	0.2	5	7	0.01	0.8	0.4
3.3 Site Preparation - 2023	0.3	6	8	0.01	0.4	0.4
3.4 Grading/Excavation - 2023	0.5	10	14	0.02	0.8	0.6
3.5 Drainage/Utilities/Trenching - 2023	0.2	5	7	0.01	0.3	0.3
3.6 Foundations/Concrete Pour - 2023	0.3	6	8	0.01	0.4	0.4
3.7 Building Construction - 2023	0.1	3	4	0.00	0.2	0.2
3.8 Paving - 2023	0.4	4	7	0.01	0.2	0.2
3.9 Architectural Coating - 2023	66.8	2	3	0.00	0.1	0.1

Overlapping Phases	ROG	NOX	CO	SO2	Total PM10	Total PM2.5
2023						
Building Construction+Paving	0.5	6.9	10.3	0.0	0.4	0.4
Building Construction+Architectural Coating	66.9	4.6	6.2	0.0	0.3	0.3
Project Daily Maximum Emissions	**66.9**	**10.5**	**14.0**	**0.0**	**0.8**	**0.6**

SCAQMD Localized Significance Threshold (SRA 9, 2 acre, 25m)	128	953		7	5
Exceeds Threshold?	No	No		No	No

Covina Public Storage Project

Construction Annual GHG

	Metric Tons/Year			
Year	On-Road Mobile Sources	CalEEMod	Water + Construction Office	Total
2022	22	18	2	41
2023	167	96	9	273
Total	**189**	**114**	**11**	**314**
Amortized - 30 years	**6**	**4**	**0**	**10.5**

Covina Public Storage Project
Construction GHG Analysis

Temporary Construction Trailer - Electricity							
Land Use	**Square Feet**	**Energy Use per year (kWh)**	**Estimated Project Construction Duration (years)**	**Total Energy Use (kWh)**	**Construction Office GHG Emissions Total**	**Electricity Emission Factor**	**Electricity Emission Factor**
General Office	1,000	12,990	1.0	12,990	3.20	**(MT CO2/MWh)**	**(lbs CO2/MWh)**
Note: CalEEMod 2020.4.0 used to estimate energy use for temporary construction office						0.25	541.32
						(MT CH4/MWh)	**(lbs CH4/MWh)**
						1.50E-05	0.033
						(MT N2O/MWh)	**(lbs N2O/MWh)**
						1.81E-06	0.00400

Covina Public Storage Project
Construction GHG Analysis

Construction Water Energy Estimates

Project Acres	2.7
Construction Duration (years)	1.0

Source	Construction Water Use per Day (Mgal)	Total Construction Water Use (Mgal)	Total Electricity Demand from water Demand (kWh)	Annual Electricity Demand from water Demand (kWh)
Project	0.008	2.422	31,536	31,536
CalEEMod Water Electricity Factors	**Electricity Intensity Factor To Supply (kWh/Mgal)**	**Electricity Intensity Factor To Treat (kWh/Mgal)**	**Electricity Intensity Factor To Distribute (kWh/Mgal)**	**Electricity Intensity Factor For Wastewater Treatment (kWh/Mgal)**
Project	9727	111	1272	1911

Construction Water GHG Emissions Total
7.77

Electricity Emission Factor (MT CO2/MWh)	Electricity Emission Factor (lbs CO2/MWh)
0.25	541.32
(MT CH4/MWh)	**(lbs CH4/MWh)**
1.50E-05	0.033
(MT N2O/MWh)	**(lbs N2O/MWh)**
1.81E-06	0.00400

Sources:

Electricity Intensity Factors - California Emissions Estimator Model (CalEEMod). Adjusted to RPS of year 2022.

Estimated construction water use assumed to be generally equivalent to landscape irrigation, based on a factor of 20.94 gallons per year per square foot of landscaped area within the Los Angeles area (Mediterranean climate), which assumes high water demand landscaping materials and an irrigation system efficiency of 85%. Factor is therefore (20.94 GAL/SF/year) x (43,560 SF/acre) / (365 days/year) / (0.85) = 2,940 gallons/acre/day, rounded up to 3,000 gallons/acre/day. (U.S. Department of Energy, Energy Efficiency & Renewable Energy, Federal Energy Management Program. "Guidelines for Estimating Unmetered Landscaping Water Use." July 2010. Page 12, Table 4 - Annual Irrigation Factor – Landscaped Areas with High Water Requirements).

Covina Public Storage Project

Total On-Road Emissions

260 Max construction days per year

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)
Demolition	2022				
Total Haul Trips	528				
Hauling	90	44	8	11.4	15
Vendor	4	44	8	6.9	15
Worker	20	44	8	14.7	0
					Total:
Demolition	2023				
Total Haul Trips	36				
Hauling	90	3	8	11.4	15
Vendor	4	3	8	6.9	15
Worker	20	3	8	14.7	0
					Total:
Site Preparation	2023				
Total Haul Trips	0				
Hauling	0	33	8	11.4	15
Vendor	4	33	8	6.9	15
Worker	20	33	8	14.7	0
					Total:
Grading/Excavation	2023				
Total Haul Trips	1000				
Hauling	50	29	8	11.4	15
Vendor	4	29	8	6.9	15
Worker	20	29	8	14.7	0
					Total:
Drainage/Utilities/Trenching	2023				
Total Haul Trips	0				
Hauling	0	21	8	11.4	15
Vendor	4	21	8	6.9	15
Worker	50	21	8	14.7	0
					Total:
Foundations/Concrete Pour	2023				
Total Haul Trips	0				
Hauling	0	14	8	11.4	15
Vendor	150	14	8	6.9	15
Worker	60	14	8	14.7	0
					Total:
Building Construction	2023				
Total Haul Trips	0				
Hauling	0	117	8	11.4	15
Vendor	4	117	8	6.9	15
Worker	160	117	8	14.7	0
					Total:
Paving	2023				
Total Haul Trips	0				
Hauling	0	30	8	11.4	15
Vendor	4	30	8	6.9	15
Worker	30	30	8	14.7	0
					Total:
Architectural Coating	2023				
Total Haul Trips	0				
Hauling	0	10	8	11.4	15
Vendor	2	10	8	6.9	15
Worker	10	10	8	14.7	0
					Total:

Co

Covina Public Storage Project

Total On-Road Emissions

Construction Phase	Regional Emissions (pounds/day)										(MT/yr)
	ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5	Total CO2e
Demolition											
Total Haul Trips											
Hauling	0.08	8.83	4.87	0.04	0.55	0.06	0.61	0.13	0.06	0.19	15.37
Vendor	0.00	0.20	0.12	0.00	0.01	0.00	0.01	0.00	0.00	0.00	2.13
Worker	0.02	0.07	0.85	0.00	0.09	0.00	0.09	0.02	0.00	0.02	4.23
	0.10	9.10	5.85	0.04	0.66	0.06	0.72	0.15	0.06	0.21	21.73
Demolition											
Total Haul Trips											
Hauling	0.04	7.08	4.83	0.04	0.55	0.05	0.61	0.13	0.05	0.18	1.03
Vendor	0.00	0.16	0.12	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.14
Worker	0.01	0.06	0.78	0.00	0.09	0.00	0.09	0.02	0.00	0.02	0.28
	0.05	7.31	5.74	0.04	0.65	0.06	0.71	0.15	0.05	0.20	1.45
Site Preparation											
Total Haul Trips											
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.16	0.12	0.00	0.01	0.00	0.01	0.00	0.00	0.00	1.57
Worker	0.01	0.06	0.78	0.00	0.09	0.00	0.09	0.02	0.00	0.02	3.10
	0.02	0.22	0.90	0.00	0.10	0.00	0.11	0.02	0.00	0.02	4.67
Grading/Excavation											
Total Haul Trips											
Hauling	0.02	3.94	2.69	0.02	0.31	0.03	0.34	0.07	0.03	0.10	22.46
Vendor	0.00	0.16	0.12	0.00	0.01	0.00	0.01	0.00	0.00	0.00	1.38
Worker	0.01	0.06	0.78	0.00	0.09	0.00	0.09	0.02	0.00	0.02	2.73
	0.04	4.16	3.59	0.02	0.41	0.03	0.44	0.09	0.03	0.12	26.57
Drainage/Utilities/Trenching											
Total Haul Trips											
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.16	0.12	0.00	0.01	0.00	0.01	0.00	0.00	0.00	1.00
Worker	0.04	0.15	1.95	0.01	0.23	0.00	0.23	0.04	0.00	0.04	4.93
	0.04	0.31	2.08	0.01	0.24	0.00	0.25	0.04	0.00	0.05	5.93
Foundations/Concrete Pour											
Total Haul Trips											
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.07	6.07	4.59	0.03	0.48	0.04	0.52	0.11	0.04	0.15	24.95
Worker	0.04	0.18	2.34	0.01	0.27	0.00	0.28	0.05	0.00	0.05	3.95
	0.12	6.25	6.94	0.04	0.76	0.05	0.80	0.15	0.04	0.20	28.90
Building Construction											
Total Haul Trips											
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.16	0.12	0.00	0.01	0.00	0.01	0.00	0.00	0.00	5.56
Worker	0.12	0.49	6.25	0.02	0.73	0.01	0.74	0.12	0.01	0.13	87.96
	0.12	0.65	6.37	0.02	0.74	0.01	0.75	0.13	0.01	0.14	93.52
Paving											
Total Haul Trips											
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.16	0.12	0.00	0.01	0.00	0.01	0.00	0.00	0.00	1.43
Worker	0.02	0.09	1.17	0.00	0.14	0.00	0.14	0.02	0.00	0.02	4.23
	0.02	0.25	1.29	0.00	0.15	0.00	0.15	0.03	0.00	0.03	5.65
Architectural Coating											
Total Haul Trips											
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.08	0.06	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.24
Worker	0.01	0.03	0.39	0.00	0.05	0.00	0.05	0.01	0.00	0.01	0.47
	0.01	0.11	0.45	0.00	0.05	0.00	0.05	0.01	0.00	0.01	0.71

Covina Public Storage Project
Running Emissions

	Running Emissions Factor (grams/mile)					
	ROG	NOX	CO	SO2	PM10	PM2.5
2022Hauling Hauling	0.03421326	2.5062345	0.63539007	0.01457119	0.02511684	0.02402496
2022Vendor Vendor	0.040384	1.901886221	0.64194565	0.01318653	0.01910675	0.01827249
2022Worker Worker	0.02543435	0.10576118	1.31315239	0.00320928	0.00202047	0.00186006
2023Hauling Hauling	0.01583726	1.846349092	0.53216798	0.01440181	0.02335548	0.02234022
2023Vendor Vendor	0.02517402	1.413009631	0.53163708	0.01304101	0.01704589	0.01630115
2023Worker Worker	0.02253027	0.09409696	1.20532597	0.00313687	0.00190111	0.00175
2026Hauling Hauling	0.01368221	1.614053992	0.47684787	0.01364538	0.0226378	0.02165426
2026Vendor Vendor	0.01750743	1.169214075	0.39765668	0.0123973	0.01509905	0.01443925
2026Worker Worker	0.01606854	0.068748951	0.96388598	0.00292729	0.0016094	0.00148096
2027Hauling Hauling	0.013128	1.553518611	0.45473657	0.01336714	0.02273486	0.02174732
2027Vendor Vendor	0.01570588	1.102331968	0.36327753	0.01214871	0.01475662	0.01411185
2027Worker Worker	0.01447264	0.062492418	0.90230685	0.0028686	0.00150729	0.0013867
GWP	N/A	N/A	N/A	N/A	N/A	N/A

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
					ROG	NOX	CO	SO2	PM10	PM2.5
Demolition	2022									
Total Haul Trips	528									
Hauling	90	44	8	11.4	0.08	5.67	1.44	0.03	0.06	0.05
Vendor	4	44	8	6.9	0.00	0.12	0.04	0.00	0.00	0.00
Worker	20	44	8	14.7	0.02	0.07	0.85	0.00	0.00	0.00
Demolition	2023									
Total Haul Trips	36									
Hauling	90	3	8	11.4	0.04	4.18	1.20	0.03	0.05	0.05
Vendor	4	3	8	6.9	0.00	0.09	0.03	0.00	0.00	0.00
Worker	20	3	8	14.7	0.01	0.06	0.78	0.00	0.00	0.00

Covina Public Storage Project
Running Emissions

	Running Emissions Factor (grams/mile)					
	ROG	NOX	CO	SO2	PM10	PM2.5
2022Hauling Hauling	0.03421326	2.5062345	0.63539007	0.01457119	0.02511684	0.02402496
2022Vendor Vendor	0.040384	1.901886221	0.64194565	0.01318653	0.01910675	0.01827249
2022Worker Worker	0.02543435	0.10576118	1.31315239	0.00320928	0.00202047	0.00186006
2023Hauling Hauling	0.01583726	1.846349092	0.53216798	0.01440181	0.02335548	0.02234022
2023Vendor Vendor	0.02517402	1.413009631	0.53163708	0.01304101	0.01704589	0.01630115
2023Worker Worker	0.02253027	0.09409696	1.20532597	0.00313687	0.00190111	0.00175
2026Hauling Hauling	0.01368221	1.614053992	0.47684787	0.01364538	0.0226378	0.02165426
2026Vendor Vendor	0.01750743	1.169214075	0.39765668	0.0123973	0.01509905	0.01443925
2026Worker Worker	0.01606854	0.068748951	0.96388598	0.00292729	0.0016094	0.00148096
2027Hauling Hauling	0.013128	1.553518611	0.45473657	0.01336714	0.02273486	0.02174732
2027Vendor Vendor	0.01570588	1.102331968	0.36327753	0.01214871	0.01475662	0.01411185
2027Worker Worker	0.01447264	0.062492418	0.90230685	0.0028686	0.00150729	0.0013867
GWP	N/A	N/A	N/A	N/A	N/A	N/A

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
					ROG	NOX	CO	SO2	PM10	PM2.5
Site Preparation	2023									
Total Haul Trips	0									
Hauling	0	33	8	11.4	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	33	8	6.9	0.00	0.09	0.03	0.00	0.00	0.00
Worker	20	33	8	14.7	0.01	0.06	0.78	0.00	0.00	0.00
Grading/Excavation	2023									
Total Haul Trips	1000									
Hauling	50	29	8	11.4	0.02	2.32	0.67	0.02	0.03	0.03
Vendor	4	29	8	6.9	0.00	0.09	0.03	0.00	0.00	0.00
Worker	20	29	8	14.7	0.01	0.06	0.78	0.00	0.00	0.00

Covina Public Storage Project
Running Emissions

	Running Emissions Factor (grams/mile)					
	ROG	NOX	CO	SO2	PM10	PM2.5
2022Hauling Hauling	0.03421326	2.5062345	0.63539007	0.01457119	0.02511684	0.02402496
2022Vendor Vendor	0.040384	1.901886221	0.64194565	0.01318653	0.01910675	0.01827249
2022Worker Worker	0.02543435	0.10576118	1.31315239	0.00320928	0.00202047	0.00186006
2023Hauling Hauling	0.01583726	1.846349092	0.53216798	0.01440181	0.02335548	0.02234022
2023Vendor Vendor	0.02517402	1.413009631	0.53163708	0.01304101	0.01704589	0.01630115
2023Worker Worker	0.02253027	0.09409696	1.20532597	0.00313687	0.00190111	0.00175
2026Hauling Hauling	0.01368221	1.614053992	0.47684787	0.01364538	0.0226378	0.02165426
2026Vendor Vendor	0.01750743	1.169214075	0.39765668	0.0123973	0.01509905	0.01443925
2026Worker Worker	0.01606854	0.068748951	0.96388598	0.00292729	0.0016094	0.00148096
2027Hauling Hauling	0.013128	1.553518611	0.45473657	0.01336714	0.02273486	0.02174732
2027Vendor Vendor	0.01570588	1.102331968	0.36327753	0.01214871	0.01475662	0.01411185
2027Worker Worker	0.01447264	0.062492418	0.90230685	0.0028686	0.00150729	0.0013867
GWP	N/A	N/A	N/A	N/A	N/A	N/A

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
					ROG	NOX	CO	SO2	PM10	PM2.5
Drainage/Utilities/Trenching	2023									
Total Haul Trips	0									
Hauling	0	21	8	11.4	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	21	8	6.9	0.00	0.09	0.03	0.00	0.00	0.00
Worker	50	21	8	14.7	0.04	0.15	1.95	0.01	0.00	0.00
Foundations/Concrete Pour	2023									
Total Haul Trips	0									
Hauling	0	14	8	11.4	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	150	14	8	6.9	0.06	3.22	1.21	0.03	0.04	0.04
Worker	60	14	8	14.7	0.04	0.18	2.34	0.01	0.00	0.00

Covina Public Storage Project
Running Emissions

		Running Emissions Factor (grams/mile)					
		ROG	NOX	CO	SO2	PM10	PM2.5
2022Hauling	Hauling	0.03421326	2.5062345	0.63539007	0.01457119	0.02511684	0.02402496
2022Vendor	Vendor	0.040384	1.901886221	0.64194565	0.01318653	0.01910675	0.01827249
2022Worker	Worker	0.02543435	0.10576118	1.31315239	0.00320928	0.00202047	0.00186006
2023Hauling	Hauling	0.01583726	1.846349092	0.53216798	0.01440181	0.02335548	0.02234022
2023Vendor	Vendor	0.02517402	1.413009631	0.53163708	0.01304101	0.01704589	0.01630115
2023Worker	Worker	0.02253027	0.09409696	1.20532597	0.00313687	0.00190111	0.00175
2026Hauling	Hauling	0.01368221	1.614053992	0.47684787	0.01364538	0.0226378	0.02165426
2026Vendor	Vendor	0.01750743	1.169214075	0.39765668	0.0123973	0.01509905	0.01443925
2026Worker	Worker	0.01606854	0.068748951	0.96388598	0.00292729	0.0016094	0.00148096
2027Hauling	Hauling	0.013128	1.553518611	0.45473657	0.01336714	0.02273486	0.02174732
2027Vendor	Vendor	0.01570588	1.102331968	0.36327753	0.01214871	0.01475662	0.01411185
2027Worker	Worker	0.01447264	0.062492418	0.90230685	0.0028686	0.00150729	0.0013867
GWP		N/A	N/A	N/A	N/A	N/A	N/A

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day) ROG	NOX	CO	SO2	PM10	PM2.5
Building Construction	2023									
Total Haul Trips	0									
Hauling	0	117	8	11.4	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	117	8	6.9	0.00	0.09	0.03	0.00	0.00	0.00
Worker	160	117	8	14.7	0.12	0.49	6.25	0.02	0.01	0.01
Paving	2023									
Total Haul Trips	0									
Hauling	0	30	8	11.4	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	30	8	6.9	0.00	0.09	0.03	0.00	0.00	0.00
Worker	30	30	8	14.7	0.02	0.09	1.17	0.00	0.00	0.00

Covina Public Storage Project
Running Emissions

	Running Emissions Factor (grams/mile)					
	ROG	NOX	CO	SO2	PM10	PM2.5
2022Hauling Hauling	0.03421326	2.5062345	0.63539007	0.01457119	0.02511684	0.02402496
2022Vendor Vendor	0.040384	1.901886221	0.64194565	0.01318653	0.01910675	0.01827249
2022Worker Worker	0.02543435	0.10576118	1.31315239	0.00320928	0.00202047	0.00186006
2023Hauling Hauling	0.01583726	1.846349092	0.53216798	0.01440181	0.02335548	0.02234022
2023Vendor Vendor	0.02517402	1.413009631	0.53163708	0.01304101	0.01704589	0.01630115
2023Worker Worker	0.02253027	0.09409696	1.20532597	0.00313687	0.00190111	0.00175
2026Hauling Hauling	0.01368221	1.614053992	0.47684787	0.01364538	0.0226378	0.02165426
2026Vendor Vendor	0.01750743	1.169214075	0.39765668	0.0123973	0.01509905	0.01443925
2026Worker Worker	0.01606854	0.068748951	0.96388598	0.00292729	0.0016094	0.00148096
2027Hauling Hauling	0.013128	1.553518611	0.45473657	0.01336714	0.02273486	0.02174732
2027Vendor Vendor	0.01570588	1.102331968	0.36327753	0.01214871	0.01475662	0.01411185
2027Worker Worker	0.01447264	0.062492418	0.90230685	0.0028686	0.00150729	0.0013867
GWP	N/A	N/A	N/A	N/A	N/A	N/A

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
					ROG	NOX	CO	SO2	PM10	PM2.5
Architectural Coating	2023									
Total Haul Trips	0									
Hauling	0	10	8	11.4	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	10	8	6.9	0.00	0.04	0.02	0.00	0.00	0.00
Worker	10	10	8	14.7	0.01	0.03	0.39	0.00	0.00	0.00

Covina Public Storage Project
Running Emissions

	Running Emissions Factor (grams/mile)		
	CO2	CH4	N2O
2022Hauling Hauling	1605.22158	0.08234696	0.25591748
2022Vendor Vendor	1421.44968	0.04594901	0.19634864
2022Worker Worker	324.651399	0.00590966	0.0081981
2023Hauling Hauling	1582.16594	0.07485845	0.25204854
2023Vendor Vendor	1404.04014	0.0416683	0.1941139
2023Worker Worker	317.32672	0.00530072	0.00752789
2026Hauling Hauling	1501.9816	0.06476403	0.23941148
2026Vendor Vendor	1337.37545	0.03590634	0.1862605
2026Worker Worker	296.123967	0.00390838	0.00603404
2027Hauling Hauling	1471.80075	0.0608523	0.23462364
2027Vendor Vendor	1311.1435	0.03381904	0.18307889
2027Worker Worker	290.185649	0.00356123	0.00566307
GWP	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Demolition	2022							
Total Haul Trips	528							
Hauling	90	44	8	11.4	9.66	0.09	3.35	13.11
Vendor	4	44	8	6.9	1.73	0.00	0.07	1.80
Worker	20	44	8	14.7	4.20	0.00	0.03	4.23
Demolition	2023							
Total Haul Trips	36							
Hauling	90	3	8	11.4	0.65	0.01	0.22	0.88
Vendor	4	3	8	6.9	0.12	0.00	0.00	0.12
Worker	20	3	8	14.7	0.28	0.00	0.00	0.28

Covina Public Storage Project
Running Emissions

		Running Emissions Factor (grams/mile)		
		CO2	CH4	N2O
2022Hauling	Hauling	1605.22158	0.08234696	0.25591748
2022Vendor	Vendor	1421.44968	0.04594901	0.19634864
2022Worker	Worker	324.651399	0.00590966	0.0081981
2023Hauling	Hauling	1582.16594	0.07485845	0.25204854
2023Vendor	Vendor	1404.04014	0.0416683	0.1941139
2023Worker	Worker	317.32672	0.00530072	0.00752789
2026Hauling	Hauling	1501.9816	0.06476403	0.23941148
2026Vendor	Vendor	1337.37545	0.03590634	0.1862605
2026Worker	Worker	296.123967	0.00390838	0.00603404
2027Hauling	Hauling	1471.80075	0.0608523	0.23462364
2027Vendor	Vendor	1311.1435	0.03381904	0.18307889
2027Worker	Worker	290.185649	0.00356123	0.00566307
GWP		1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Site Preparation	2023							
Total Haul Trips	0							
Hauling	0	33	8	11.4	0.00	0.00	0.00	0.00
Vendor	4	33	8	6.9	1.28	0.00	0.05	1.33
Worker	20	33	8	14.7	3.08	0.00	0.02	3.10
Grading/Excavation	2023							
Total Haul Trips	1000							
Hauling	50	29	8	11.4	18.04	0.03	1.21	19.28
Vendor	4	29	8	6.9	1.12	0.00	0.05	1.17
Worker	20	29	8	14.7	2.71	0.00	0.02	2.73

Covina Public Storage Project
Running Emissions

	Running Emissions Factor (grams/mile)		
	CO2	CH4	N2O
2022Hauling Hauling	1605.22158	0.08234696	0.25591748
2022Vendor Vendor	1421.44968	0.04594901	0.19634864
2022Worker Worker	324.651399	0.00590966	0.0081981
2023Hauling Hauling	1582.16594	0.07485845	0.25204854
2023Vendor Vendor	1404.04014	0.0416683	0.1941139
2023Worker Worker	317.32672	0.00530072	0.00752789
2026Hauling Hauling	1501.9816	0.06476403	0.23941148
2026Vendor Vendor	1337.37545	0.03590634	0.1862605
2026Worker Worker	296.123967	0.00390838	0.00603404
2027Hauling Hauling	1471.80075	0.0608523	0.23462364
2027Vendor Vendor	1311.1435	0.03381904	0.18307889
2027Worker Worker	290.185649	0.00356123	0.00566307
GWP	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Drainage/Utilities/Trenching	2023							
Total Haul Trips	0							
Hauling	0	21	8	11.4	0.00	0.00	0.00	0.00
Vendor	4	21	8	6.9	0.81	0.00	0.03	0.85
Worker	50	21	8	14.7	4.90	0.00	0.03	4.93
Foundations/Concrete Pour	2023							
Total Haul Trips	0							
Hauling	0	14	8	11.4	0.00	0.00	0.00	0.00
Vendor	150	14	8	6.9	20.34	0.02	0.82	21.18
Worker	60	14	8	14.7	3.92	0.00	0.03	3.95

Covina Public Storage Project
Running Emissions

		Running Emissions Factor (grams/mile)		
		CO2	CH4	N2O
2022Hauling	Hauling	1605.22158	0.08234696	0.25591748
2022Vendor	Vendor	1421.44968	0.04594901	0.19634864
2022Worker	Worker	324.651399	0.00590966	0.0081981
2023Hauling	Hauling	1582.16594	0.07485845	0.25204854
2023Vendor	Vendor	1404.04014	0.0416683	0.1941139
2023Worker	Worker	317.32672	0.00530072	0.00752789
2026Hauling	Hauling	1501.9816	0.06476403	0.23941148
2026Vendor	Vendor	1337.37545	0.03590634	0.1862605
2026Worker	Worker	296.123967	0.00390838	0.00603404
2027Hauling	Hauling	1471.80075	0.0608523	0.23462364
2027Vendor	Vendor	1311.1435	0.03381904	0.18307889
2027Worker	Worker	290.185649	0.00356123	0.00566307
GWP		1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Building Construction	2023							
Total Haul Trips	0							
Hauling	0	117	8	11.4	0.00	0.00	0.00	0.00
Vendor	4	117	8	6.9	4.53	0.00	0.18	4.72
Worker	160	117	8	14.7	87.32	0.04	0.60	87.96
Paving	2023							
Total Haul Trips	0							
Hauling	0	30	8	11.4	0.00	0.00	0.00	0.00
Vendor	4	30	8	6.9	1.16	0.00	0.05	1.21
Worker	30	30	8	14.7	4.20	0.00	0.03	4.23

Covina Public Storage Project
Running Emissions

		Running Emissions Factor (grams/mile)		
		CO2	CH4	N2O
2022Hauling	Hauling	1605.22158	0.08234696	0.25591748
2022Vendor	Vendor	1421.44968	0.04594901	0.19634864
2022Worker	Worker	324.651399	0.00590966	0.0081981
2023Hauling	Hauling	1582.16594	0.07485845	0.25204854
2023Vendor	Vendor	1404.04014	0.0416683	0.1941139
2023Worker	Worker	317.32672	0.00530072	0.00752789
2026Hauling	Hauling	1501.9816	0.06476403	0.23941148
2026Vendor	Vendor	1337.37545	0.03590634	0.1862605
2026Worker	Worker	296.123967	0.00390838	0.00603404
2027Hauling	Hauling	1471.80075	0.0608523	0.23462364
2027Vendor	Vendor	1311.1435	0.03381904	0.18307889
2027Worker	Worker	290.185649	0.00356123	0.00566307
GWP		1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Architectural Coating	2023							
Total Haul Trips	0							
Hauling	0	10	8	11.4	0.00	0.00	0.00	0.00
Vendor	2	10	8	6.9	0.19	0.00	0.01	0.20
Worker	10	10	8	14.7	0.47	0.00	0.00	0.47

Covina Public Storage Project
Idling Emissions

	Idling Emissions Factor (grams/minute)					
	ROG	NOX	CO	SO2	PM10	PM2.5
2022Hauling Hauling	0.00063484	1.063276579	1.15367037	0.00183413	0.00063918	0.00061056
2022Vendor Vendor	0.00363034	0.626772196	0.64620863	0.00106082	0.00055996	0.00053519
2022Worker Worker	0	0	0	0	0	0
2023Hauling Hauling	0.00060465	0.976890531	1.21944606	0.00175824	0.00057695	0.00055105
2023Vendor Vendor	0.00344852	0.57309481	0.6812944	0.00101948	0.00049051	0.00046876
2023Worker Worker	0	0	0	0	0	0
2026Hauling Hauling	0.00190352	0.943312666	1.20504869	0.00163819	0.00049161	0.00046927
2026Vendor Vendor	0.00373668	0.54962618	0.67271423	0.00095618	0.00036335	0.00034701
2026Worker Worker	0	0	0	0	0	0
2027Hauling Hauling	0.00277283	0.933174304	1.19921987	0.00159973	0.00047074	0.00044926
2027Vendor Vendor	0.00406574	0.542461787	0.66910501	0.00093511	0.00033266	0.00031763
2027Worker Worker	0	0	0	0	0	0
GWP	N/A	N/A	N/A	N/A	N/A	N/A

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (pounds/day)					
					ROG	NOX	CO	SO2	PM10	PM2.5
Demolition	2022									
Total Haul Trips	528									
Hauling	90	44	8	15	0.00	3.16	3.43	0.01	0.00	0.00
Vendor	4	44	8	15	0.00	0.08	0.09	0.00	0.00	0.00
Worker	20	44	8	0	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	2023									
Total Haul Trips	36									
Hauling	90	3	8	15	0.00	2.91	3.63	0.01	0.00	0.00
Vendor	4	3	8	15	0.00	0.08	0.09	0.00	0.00	0.00
Worker	20	3	8	0	0.00	0.00	0.00	0.00	0.00	0.00

Covina Public Storage Project
Idling Emissions

	Idling Emissions Factor (grams/minute)					
	ROG	NOX	CO	SO2	PM10	PM2.5
2022Hauling Hauling	0.00063484	1.063276579	1.15367037	0.00183413	0.00063918	0.00061056
2022Vendor Vendor	0.00363034	0.626772196	0.64620863	0.00106082	0.00055996	0.00053519
2022Worker Worker	0	0	0	0	0	0
2023Hauling Hauling	0.00060465	0.976890531	1.21944606	0.00175824	0.00057695	0.00055105
2023Vendor Vendor	0.00344852	0.57309481	0.6812944	0.00101948	0.00049051	0.00046876
2023Worker Worker	0	0	0	0	0	0
2026Hauling Hauling	0.00190352	0.943312666	1.20504869	0.00163819	0.00049161	0.00046927
2026Vendor Vendor	0.00373668	0.54962618	0.67271423	0.00095618	0.00036335	0.00034701
2026Worker Worker	0	0	0	0	0	0
2027Hauling Hauling	0.00277283	0.933174304	1.19921987	0.00159973	0.00047074	0.00044926
2027Vendor Vendor	0.00406574	0.542461787	0.66910501	0.00093511	0.00033266	0.00031763
2027Worker Worker	0	0	0	0	0	0
GWP	N/A	N/A	N/A	N/A	N/A	N/A

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (pounds/day)					
					ROG	NOX	CO	SO2	PM10	PM2.5
Site Preparation	2023									
Total Haul Trips	0									
Hauling	0	33	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	33	8	15	0.00	0.08	0.09	0.00	0.00	0.00
Worker	20	33	8	0	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	2023									
Total Haul Trips	1000									
Hauling	50	29	8	15	0.00	1.62	2.02	0.00	0.00	0.00
Vendor	4	29	8	15	0.00	0.08	0.09	0.00	0.00	0.00
Worker	20	29	8	0	0.00	0.00	0.00	0.00	0.00	0.00

Covina Public Storage Project
Idling Emissions

	Idling Emissions Factor (grams/minute)					
	ROG	NOX	CO	SO2	PM10	PM2.5
2022Hauling Hauling	0.00063484	1.063276579	1.15367037	0.00183413	0.00063918	0.00061056
2022Vendor Vendor	0.00363034	0.626772196	0.64620863	0.00106082	0.00055996	0.00053519
2022Worker Worker	0	0	0	0	0	0
2023Hauling Hauling	0.00060465	0.976890531	1.21944606	0.00175824	0.00057695	0.00055105
2023Vendor Vendor	0.00344852	0.57309481	0.6812944	0.00101948	0.00049051	0.00046876
2023Worker Worker	0	0	0	0	0	0
2026Hauling Hauling	0.00190352	0.943312666	1.20504869	0.00163819	0.00049161	0.00046927
2026Vendor Vendor	0.00373668	0.54962618	0.67271423	0.00095618	0.00036335	0.00034701
2026Worker Worker	0	0	0	0	0	0
2027Hauling Hauling	0.00277283	0.933174304	1.19921987	0.00159973	0.00047074	0.00044926
2027Vendor Vendor	0.00406574	0.542461787	0.66910501	0.00093511	0.00033266	0.00031763
2027Worker Worker	0	0	0	0	0	0
GWP	N/A	N/A	N/A	N/A	N/A	N/A

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (pounds/day)					
					ROG	NOX	CO	SO2	PM10	PM2.5
Drainage/Utilities/Trenching	2023									
Total Haul Trips	0									
Hauling	0	21	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	21	8	15	0.00	0.08	0.09	0.00	0.00	0.00
Worker	50	21	8	0	0.00	0.00	0.00	0.00	0.00	0.00
Foundations/Concrete Pour	2023									
Total Haul Trips	0									
Hauling	0	14	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	150	14	8	15	0.02	2.84	3.38	0.01	0.00	0.00
Worker	60	14	8	0	0.00	0.00	0.00	0.00	0.00	0.00

Covina Public Storage Project
Idling Emissions

	Idling Emissions Factor (grams/minute)					
	ROG	**NOX**	**CO**	**SO2**	**PM10**	**PM2.5**
2022Hauling Hauling	0.00063484	1.063276579	1.15367037	0.00183413	0.00063918	0.00061056
2022Vendor Vendor	0.00363034	0.626772196	0.64620863	0.00106082	0.00055996	0.00053519
2022Worker Worker	0	0	0	0	0	0
2023Hauling Hauling	0.00060465	0.976890531	1.21944606	0.00175824	0.00057695	0.00055105
2023Vendor Vendor	0.00344852	0.57309481	0.6812944	0.00101948	0.00049051	0.00046876
2023Worker Worker	0	0	0	0	0	0
2026Hauling Hauling	0.00190352	0.943312666	1.20504869	0.00163819	0.00049161	0.00046927
2026Vendor Vendor	0.00373668	0.54962618	0.67271423	0.00095618	0.00036335	0.00034701
2026Worker Worker	0	0	0	0	0	0
2027Hauling Hauling	0.00277283	0.933174304	1.19921987	0.00159973	0.00047074	0.00044926
2027Vendor Vendor	0.00406574	0.542461787	0.66910501	0.00093511	0.00033266	0.00031763
2027Worker Worker	0	0	0	0	0	0
GWP	N/A	N/A	N/A	N/A	N/A	N/A

Construction Phase	**Daily One-Way Trips**	**Haul Days per Phase (days)**	**Work Hours per Day (hours/day)**	**Idling minutes per Day (miles)**	**Regional Emissions (pounds/day) ROG**	**NOX**	**CO**	**SO2**	**PM10**	**PM2.5**
Building Construction	2023									
Total Haul Trips	0									
Hauling	0	117	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	117	8	15	0.00	0.08	0.09	0.00	0.00	0.00
Worker	160	117	8	0	0.00	0.00	0.00	0.00	0.00	0.00
Paving	2023									
Total Haul Trips	0									
Hauling	0	30	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	30	8	15	0.00	0.08	0.09	0.00	0.00	0.00
Worker	30	30	8	0	0.00	0.00	0.00	0.00	0.00	0.00

Covina Public Storage Project
Idling Emissions

	Idling Emissions Factor (grams/minute)					
	ROG	NOX	CO	SO2	PM10	PM2.5
2022Hauling Hauling	0.00063484	1.063276579	1.15367037	0.00183413	0.00063918	0.00061056
2022Vendor Vendor	0.00363034	0.626772196	0.64620863	0.00106082	0.00055996	0.00053519
2022Worker Worker	0	0	0	0	0	0
2023Hauling Hauling	0.00060465	0.976890531	1.21944606	0.00175824	0.00057695	0.00055105
2023Vendor Vendor	0.00344852	0.57309481	0.6812944	0.00101948	0.00049051	0.00046876
2023Worker Worker	0	0	0	0	0	0
2026Hauling Hauling	0.00190352	0.943312666	1.20504869	0.00163819	0.00049161	0.00046927
2026Vendor Vendor	0.00373668	0.54962618	0.67271423	0.00095618	0.00036335	0.00034701
2026Worker Worker	0	0	0	0	0	0
2027Hauling Hauling	0.00277283	0.933174304	1.19921987	0.00159973	0.00047074	0.00044926
2027Vendor Vendor	0.00406574	0.542461787	0.66910501	0.00093511	0.00033266	0.00031763
2027Worker Worker	0	0	0	0	0	0
GWP	N/A	N/A	N/A	N/A	N/A	N/A

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (pounds/day)					
					ROG	NOX	CO	SO2	PM10	PM2.5
Architectural Coating	2023									
Total Haul Trips	0									
Hauling	0	10	8	15	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	10	8	15	0.00	0.04	0.05	0.00	0.00	0.00
Worker	10	10	8	0	0.00	0.00	0.00	0.00	0.00	0.00

Covina Public Storage Project
Idling Emissions

	Idling Emissions Factor (grams/minute)		
	CO2	CH4	N2O
2022Hauling Hauling	206.632983	0.04057968	0.03315445
2022Vendor Vendor	118.903426	0.02232719	0.01892402
2022Worker Worker	0	0	0
2023Hauling Hauling	197.892347	0.03639331	0.0317437
2023Vendor Vendor	114.204071	0.02028175	0.01817316
2023Worker Worker	0	0	0
2026Hauling Hauling	185.455078	0.03474182	0.02979533
2026Vendor Vendor	107.716187	0.0195758	0.01717618
2026Worker Worker	0	0	0
2027Hauling Hauling	181.442358	0.03427011	0.02916541
2027Vendor Vendor	105.535988	0.01936291	0.01683969
2027Worker Worker	0	0	0
GWP	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Demolition	2022							
Total Haul Trips	528							
Hauling	90	44	8	15	1.64	0.06	0.57	2.27
Vendor	4	44	8	15	0.31	0.00	0.01	0.33
Worker	20	44	8	0	0.00	0.00	0.00	0.00
Demolition	2023							
Total Haul Trips	36							
Hauling	90	3	8	15	0.11	0.00	0.04	0.15
Vendor	4	3	8	15	0.02	0.00	0.00	0.02
Worker	20	3	8	0	0.00	0.00	0.00	0.00

Covina Public Storage Project
Idling Emissions

	Idling Emissions Factor (grams/minute)		
	CO2	CH4	N2O
2022Hauling Hauling	206.632983	0.04057968	0.03315445
2022Vendor Vendor	118.903426	0.02232719	0.01892402
2022Worker Worker	0	0	0
2023Hauling Hauling	197.892347	0.03639331	0.0317437
2023Vendor Vendor	114.204071	0.02028175	0.01817316
2023Worker Worker	0	0	0
2026Hauling Hauling	185.455078	0.03474182	0.02979533
2026Vendor Vendor	107.716187	0.0195758	0.01717618
2026Worker Worker	0	0	0
2027Hauling Hauling	181.442358	0.03427011	0.02916541
2027Vendor Vendor	105.535988	0.01936291	0.01683969
2027Worker Worker	0	0	0
GWP	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Site Preparation	2023							
Total Haul Trips	0							
Hauling	0	33	8	15	0.00	0.00	0.00	0.00
Vendor	4	33	8	15	0.23	0.00	0.01	0.24
Worker	20	33	8	0	0.00	0.00	0.00	0.00
Grading/Excavation	2023							
Total Haul Trips	1000							
Hauling	50	29	8	15	2.97	0.02	0.20	3.19
Vendor	4	29	8	15	0.20	0.00	0.01	0.21
Worker	20	29	8	0	0.00	0.00	0.00	0.00

Covina Public Storage Project
Idling Emissions

	Idling Emissions Factor (grams/minute)		
	CO2	CH4	N2O
2022Hauling Hauling	206.632983	0.04057968	0.03315445
2022Vendor Vendor	118.903426	0.02232719	0.01892402
2022Worker Worker	0	0	0
2023Hauling Hauling	197.892347	0.03639331	0.0317437
2023Vendor Vendor	114.204071	0.02028175	0.01817316
2023Worker Worker	0	0	0
2026Hauling Hauling	185.455078	0.03474182	0.02979533
2026Vendor Vendor	107.716187	0.0195758	0.01717618
2026Worker Worker	0	0	0
2027Hauling Hauling	181.442358	0.03427011	0.02916541
2027Vendor Vendor	105.535988	0.01936291	0.01683969
2027Worker Worker	0	0	0
GWP	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Drainage/Utilities/Trenching	2023							
Total Haul Trips	0							
Hauling	0	21	8	15	0.00	0.00	0.00	0.00
Vendor	4	21	8	15	0.14	0.00	0.01	0.15
Worker	50	21	8	0	0.00	0.00	0.00	0.00
Foundations/Concrete Pour	2023							
Total Haul Trips	0							
Hauling	0	14	8	15	0.00	0.00	0.00	0.00
Vendor	150	14	8	15	3.60	0.02	0.17	3.78
Worker	60	14	8	0	0.00	0.00	0.00	0.00

Covina Public Storage Project
Idling Emissions

	Idling Emissions Factor (grams/minute)		
	CO2	CH4	N2O
2022Hauling Hauling	206.632983	0.04057968	0.03315445
2022Vendor Vendor	118.903426	0.02232719	0.01892402
2022Worker Worker	0	0	0
2023Hauling Hauling	197.892347	0.03639331	0.0317437
2023Vendor Vendor	114.204071	0.02028175	0.01817316
2023Worker Worker	0	0	0
2026Hauling Hauling	185.455078	0.03474182	0.02979533
2026Vendor Vendor	107.716187	0.0195758	0.01717618
2026Worker Worker	0	0	0
2027Hauling Hauling	181.442358	0.03427011	0.02916541
2027Vendor Vendor	105.535988	0.01936291	0.01683969
2027Worker Worker	0	0	0
GWP	1	25	290

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (MT/year) CO2	CH4	N2O	CO2e
Building Construction	2023							
Total Haul Trips	0							
Hauling	0	117	8	15	0.00	0.00	0.00	0.00
Vendor	4	117	8	15	0.80	0.00	0.04	0.84
Worker	160	117	8	0	0.00	0.00	0.00	0.00
Paving	2023							
Total Haul Trips	0							
Hauling	0	30	8	15	0.00	0.00	0.00	0.00
Vendor	4	30	8	15	0.21	0.00	0.01	0.22
Worker	30	30	8	0	0.00	0.00	0.00	0.00

Covina Public Storage Project
Idling Emissions

	Idling Emissions Factor (grams/minute)		
	CO2	**CH4**	**N2O**
2022Hauling Hauling	206.632983	0.04057968	0.03315445
2022Vendor Vendor	118.903426	0.02232719	0.01892402
2022Worker Worker	0	0	0
2023Hauling Hauling	197.892347	0.03639331	0.0317437
2023Vendor Vendor	114.204071	0.02028175	0.01817316
2023Worker Worker	0	0	0
2026Hauling Hauling	185.455078	0.03474182	0.02979533
2026Vendor Vendor	107.716187	0.0195758	0.01717618
2026Worker Worker	0	0	0
2027Hauling Hauling	181.442358	0.03427011	0.02916541
2027Vendor Vendor	105.535988	0.01936291	0.01683969
2027Worker Worker	0	0	0
GWP	1	25	290

Construction Phase	**Daily One-Way Trips**	**Haul Days per Phase (days)**	**Work Hours per Day (hours/day)**	**Idling minutes per Day (miles)**	**Regional Emissions (MT/year) CO2**	**CH4**	**N2O**	**CO2e**
Architectural Coating	2023							
Total Haul Trips	0							
Hauling	0	10	8	15	0.00	0.00	0.00	0.00
Vendor	2	10	8	15	0.03	0.00	0.00	0.04
Worker	10	10	8	0	0.00	0.00	0.00	0.00

Covina Public Storage Project
Road Dust, Break Wear, and Tire wear Emissions

	Emission Factors (grams/mile)					
	PM10			PM2.5		
	RD	BW	TW	RD	BW	TW
2022Hauling Hauling	1.23E-01	0.086593921	0.03543077	1.85E-02	0.03030787	0.00885769
2022Vendor Vendor	1.23E-01	0.065113667	0.02371539	1.85E-02	0.02278978	0.00592885
2022Worker Worker	1.23E-01	0.009511466	0.008	1.85E-02	0.00332901	0.002
2023Hauling Hauling	1.23E-01	0.084714206	0.03543552	1.85E-02	0.02964997	0.00885888
2023Vendor Vendor	1.23E-01	0.064163683	0.02371776	1.85E-02	0.02245729	0.00592944
2023Worker Worker	1.23E-01	0.009477692	0.008	1.85E-02	0.00331719	0.002
2026Hauling Hauling	1.23E-01	0.084352575	0.03544711	1.85E-02	0.0295234	0.00886178
2026Vendor Vendor	1.23E-01	0.063787152	0.02372356	1.85E-02	0.0223255	0.00593089
2026Worker Worker	1.23E-01	0.009353635	0.008	1.85E-02	0.00327377	0.002
2027Hauling Hauling	1.23E-01	0.084297987	0.03545106	1.85E-02	0.0295043	0.00886277
2027Vendor Vendor	1.23E-01	0.063623189	0.02372553	1.85E-02	0.02226812	0.00593138
2027Worker Worker	1.23E-01	0.009305649	0.008	1.85E-02	0.00325698	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
					PM10			PM2.5		
					RD	BW	TW	RD	BW	TW
Demolition	2022									
Total Haul Trips	528									
Hauling	90	44	8	11.4	0.28	0.20	0.08	0.04	0.07	0.02
Vendor	4	44	8	6.9	0.01	0.00	0.00	0.00	0.00	0.00
Worker	20	44	8	14.7	0.08	0.01	0.01	0.01	0.00	0.00
Demolition	2023									
Total Haul Trips	36									
Hauling	90	3	8	11.4	0.28	0.19	0.08	0.04	0.07	0.02
Vendor	4	3	8	6.9	0.01	0.00	0.00	0.00	0.00	0.00
Worker	20	3	8	14.7	0.08	0.01	0.01	0.01	0.00	0.00

Covina Public Storage Project
Road Dust, Break Wear, and Tire wear Emissions

	Emission Factors (grams/mile)					
	PM10			PM2.5		
	RD	BW	TW	RD	BW	TW
2022Hauling Hauling	1.23E-01	0.086593921	0.03543077	1.85E-02	0.03030787	0.00885769
2022Vendor Vendor	1.23E-01	0.065113667	0.02371539	1.85E-02	0.02278978	0.00592885
2022Worker Worker	1.23E-01	0.009511466	0.008	1.85E-02	0.00332901	0.002
2023Hauling Hauling	1.23E-01	0.084714206	0.03543552	1.85E-02	0.02964997	0.00885888
2023Vendor Vendor	1.23E-01	0.064163683	0.02371776	1.85E-02	0.02245729	0.00592944
2023Worker Worker	1.23E-01	0.009477692	0.008	1.85E-02	0.00331719	0.002
2026Hauling Hauling	1.23E-01	0.084352575	0.03544711	1.85E-02	0.0295234	0.00886178
2026Vendor Vendor	1.23E-01	0.063787152	0.02372356	1.85E-02	0.0223255	0.00593089
2026Worker Worker	1.23E-01	0.009353635	0.008	1.85E-02	0.00327377	0.002
2027Hauling Hauling	1.23E-01	0.084297987	0.03545106	1.85E-02	0.0295043	0.00886277
2027Vendor Vendor	1.23E-01	0.063623189	0.02372553	1.85E-02	0.02226812	0.00593138
2027Worker Worker	1.23E-01	0.009305649	0.008	1.85E-02	0.00325698	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
					PM10			PM2.5		
					RD	BW	TW	RD	BW	TW
Site Preparation	2023									
Total Haul Trips	0									
Hauling	0	33	8	11.4	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	33	8	6.9	0.01	0.00	0.00	0.00	0.00	0.00
Worker	20	33	8	14.7	0.08	0.01	0.01	0.01	0.00	0.00
Grading/Excavation	2023									
Total Haul Trips	1000									
Hauling	50	29	8	11.4	0.15	0.11	0.04	0.02	0.04	0.01
Vendor	4	29	8	6.9	0.01	0.00	0.00	0.00	0.00	0.00
Worker	20	29	8	14.7	0.08	0.01	0.01	0.01	0.00	0.00

Covina Public Storage Project
Road Dust, Break Wear, and Tire wear Emissions

	Emission Factors (grams/mile)					
	PM10			PM2.5		
	RD	BW	TW	RD	BW	TW
2022Hauling Hauling	1.23E-01	0.086593921	0.03543077	1.85E-02	0.03030787	0.00885769
2022Vendor Vendor	1.23E-01	0.065113667	0.02371539	1.85E-02	0.02278978	0.00592885
2022Worker Worker	1.23E-01	0.009511466	0.008	1.85E-02	0.00332901	0.002
2023Hauling Hauling	1.23E-01	0.084714206	0.03543552	1.85E-02	0.02964997	0.00885888
2023Vendor Vendor	1.23E-01	0.064163683	0.02371776	1.85E-02	0.02245729	0.00592944
2023Worker Worker	1.23E-01	0.009477692	0.008	1.85E-02	0.00331719	0.002
2026Hauling Hauling	1.23E-01	0.084352575	0.03544711	1.85E-02	0.0295234	0.00886178
2026Vendor Vendor	1.23E-01	0.063787152	0.02372356	1.85E-02	0.0223255	0.00593089
2026Worker Worker	1.23E-01	0.009353635	0.008	1.85E-02	0.00327377	0.002
2027Hauling Hauling	1.23E-01	0.084297987	0.03545106	1.85E-02	0.0295043	0.00886277
2027Vendor Vendor	1.23E-01	0.063623189	0.02372553	1.85E-02	0.02226812	0.00593138
2027Worker Worker	1.23E-01	0.009305649	0.008	1.85E-02	0.00325698	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
					PM10			PM2.5		
					RD	BW	TW	RD	BW	TW
Drainage/Utilities/Trenching	2023									
Total Haul Trips	0									
Hauling	0	21	8	11.4	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	21	8	6.9	0.01	0.00	0.00	0.00	0.00	0.00
Worker	50	21	8	14.7	0.20	0.02	0.01	0.03	0.01	0.00
Foundations/Concrete Pour	2023									
Total Haul Trips	0									
Hauling	0	14	8	11.4	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	150	14	8	6.9	0.28	0.15	0.05	0.04	0.05	0.01
Worker	60	14	8	14.7	0.24	0.02	0.02	0.04	0.01	0.00

Covina Public Storage Project
Road Dust, Break Wear, and Tire wear Emissions

	Emission Factors (grams/mile)					
	PM10			PM2.5		
	RD	BW	TW	RD	BW	TW
2022Hauling Hauling	1.23E-01	0.086593921	0.03543077	1.85E-02	0.03030787	0.00885769
2022Vendor Vendor	1.23E-01	0.065113667	0.02371539	1.85E-02	0.02278978	0.00592885
2022Worker Worker	1.23E-01	0.009511466	0.008	1.85E-02	0.00332901	0.002
2023Hauling Hauling	1.23E-01	0.084714206	0.03543552	1.85E-02	0.02964997	0.00885888
2023Vendor Vendor	1.23E-01	0.064163683	0.02371776	1.85E-02	0.02245729	0.00592944
2023Worker Worker	1.23E-01	0.009477692	0.008	1.85E-02	0.00331719	0.002
2026Hauling Hauling	1.23E-01	0.084352575	0.03544711	1.85E-02	0.0295234	0.00886178
2026Vendor Vendor	1.23E-01	0.063787152	0.02372356	1.85E-02	0.0223255	0.00593089
2026Worker Worker	1.23E-01	0.009353635	0.008	1.85E-02	0.00327377	0.002
2027Hauling Hauling	1.23E-01	0.084297987	0.03545106	1.85E-02	0.0295043	0.00886277
2027Vendor Vendor	1.23E-01	0.063623189	0.02372553	1.85E-02	0.02226812	0.00593138
2027Worker Worker	1.23E-01	0.009305649	0.008	1.85E-02	0.00325698	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
					PM10			PM2.5		
					RD	BW	TW	RD	BW	TW
Building Construction	2023									
Total Haul Trips	0									
Hauling	0	117	8	11.4	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	117	8	6.9	0.01	0.00	0.00	0.00	0.00	0.00
Worker	160	117	8	14.7	0.64	0.05	0.04	0.10	0.02	0.01
Paving	2023									
Total Haul Trips	0									
Hauling	0	30	8	11.4	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	4	30	8	6.9	0.01	0.00	0.00	0.00	0.00	0.00
Worker	30	30	8	14.7	0.12	0.01	0.01	0.02	0.00	0.00

Covina Public Storage Project
Road Dust, Break Wear, and Tire wear Emissions

	Emission Factors (grams/mile)					
	PM10			PM2.5		
	RD	BW	TW	RD	BW	TW
2022Hauling Hauling	1.23E-01	0.086593921	0.03543077	1.85E-02	0.03030787	0.00885769
2022Vendor Vendor	1.23E-01	0.065113667	0.02371539	1.85E-02	0.02278978	0.00592885
2022Worker Worker	1.23E-01	0.009511466	0.008	1.85E-02	0.00332901	0.002
2023Hauling Hauling	1.23E-01	0.084714206	0.03543552	1.85E-02	0.02964997	0.00885888
2023Vendor Vendor	1.23E-01	0.064163683	0.02371776	1.85E-02	0.02245729	0.00592944
2023Worker Worker	1.23E-01	0.009477692	0.008	1.85E-02	0.00331719	0.002
2026Hauling Hauling	1.23E-01	0.084352575	0.03544711	1.85E-02	0.0295234	0.00886178
2026Vendor Vendor	1.23E-01	0.063787152	0.02372356	1.85E-02	0.0223255	0.00593089
2026Worker Worker	1.23E-01	0.009353635	0.008	1.85E-02	0.00327377	0.002
2027Hauling Hauling	1.23E-01	0.084297987	0.03545106	1.85E-02	0.0295043	0.00886277
2027Vendor Vendor	1.23E-01	0.063623189	0.02372553	1.85E-02	0.02226812	0.00593138
2027Worker Worker	1.23E-01	0.009305649	0.008	1.85E-02	0.00325698	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
					PM10			PM2.5		
					RD	BW	TW	RD	BW	TW
Architectural Coating	2023									
Total Haul Trips	0									
Hauling	0	10	8	11.4	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	2	10	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	10	10	8	14.7	0.04	0.00	0.00	0.01	0.00	0.00

Covina Public Self Storage
Construction Energy Analysis

Annual Fuel Summary

	Heavy-Duty Construction Equipment
13,263	Total Project Consumption
13,263	Annual Consumption
	Haul Trucks
11,561	Total Project Consumption
11,561	Annual Consumption
	Vendor Trucks
3,403	Total Project Consumption
3,403	Annual Consumption
	Workers
13,705	Total Project Consumption
13,705	Annual Consumption
14,964	Project Consumption of diesel for Haul Trucks and Vendors
14,964	Annual Consumption
28,226	Total Gallons Diesel
13,705	Total Gallons Gasoline

1.0 Estimated Project Construction Duration (years)

28,226 Annual Average Gallons Diesel
13,705 Annual Average Gallons Gasoline

Los Angeles County			Percent of Annual Project Compared to Los Angeles County
Source	**Fuel Type**	**Gallons**	
Workers	Gasoline	2,770,000,000	0.0005%
Off-Road/Vendor/Haul Trucks	Diesel	610,204,082	0.005%

Notes:

1 Gasoline and diesel amounts from CEC, 2019. Available: https://www.energy.ca.gov/data-reports/energy-almanac/transportation-energy/california-retail-fuel-outlet-annual-reporting

Annual Electricity Summary

Temporary Construction Trailer - Electricity	12,990	kWh/year
Water Conveyance for Dust Control	566	kWh/year
Total	**13,556**	**kWh/year**

85,399,000	Total SCE, 2019
0.000%	Project percentage of SCE

Covina Public Self Storage
Construction Energy

Construction Water Energy Estimates

Source	Acreage/Day	Number of Days	Total Construction Water Use (Mgal)	Electricity Demand from Water Conveyance (MWh)	Annual Electricity Demand from Water Conveyance (MWh)
Grading/Excavation	0.5	29	0.044	0.6	0.6
Total			**0.044**	**0.6**	**0.6**

CalEEMod Water Electricity Factors	Electricity Intensity Factor To Supply (kWh/Mgal)	Electricity Intensity Factor To Treat (kWh/Mgal)	Electricity Intensity Factor To Distribute (kWh/Mgal)	Electricity Intensity Factor For Wastewater Treatment (kWh/Mgal)
	9727	111	1272	1911

Construction Water GHG	Electricity Emission (MT CO2e/MWh)	Electricity Emission (lbs CO2e/MWh)
0.14	0.25	541.32

Sources and Assumptions:

CalEEMod Appendix A, Pg. 8, based on given piece of equipment can pass over in an 8-hour workday

-Electricity Intensity Factors - California Emissions Estimator Model (CalEEMod).

-Estimated construction water use assumed to be generally equivalent to landscape irrigation, based on a factor of 20.94 gallons per year per square foot of landscaped area within the Los Angeles area (Mediterranean climate), which assumes high water demand landscaping materials and an irrigation system efficiency of 85%. Factor is therefore (20.94 GAL/SF/year) x (43,560 SF/acre) / (365 days/year) / (0.85) = 2,940 gallons/acre/day, rounded up to 3,000 gallons/acre/day. (U.S. Department of Energy, Energy Efficiency & Renewable Energy, Federal Energy Management Program. “Guidelines for Estimating Unmetered Landscaping Water Use." July 2010. Page 12, Table 4 - Annual Irrigation Factor – Landscaped Areas with High Water Requirements).

Covina Public Self Storage
Construction Energy Analysis

Temporary Construction Trailer - Electricity						
Land Use	**Square Feet**	**Energy Use per year (kWh)**	**Total Energy Use (kWh)**	**GHG Emissions/ year (MTCO2e)**	**Total GHG Emissions for Construction Duration**	**Energy Use per SF**
General Office	1,000	12,990	12,990.00	3.2	3.2	13.0
Note: CalEEMod 2016.3.2 used to estimate energy use for temporary construction office						

Covina Public Self Storage
Construction Energy Analysis

Off-Road Equipment

Equipment ≤ 100 hp		
pounds diesel fuel/hp-hr (lb/hp-hr):[1]	0.408	lb/hp-hr
diesel density (lb/gal):[1]	7.11	lb/gal
diesel gallons/hp-hr:	0.0574	gal/hp-hr
Total <100	170,659	hp-hr
Total diesel gallons:	9,795	gal
Equipment > 100 hp		
pounds diesel fuel/hp-hr (lb/hp-hr):[1]	0.367	lb/hp-hr
diesel density (lb/gal):[1]	7.11	lb/gal
diesel gallons/hp-hr:	0.0516	gal/hp-hr
Total >100	67,174	hp-hr
Total diesel gallons:	3,468	gal
Total diesel gallons (off-road equipment):	**13,263**	**gal**

1. OFFROAD2017 Emission Factor Documentation

Construction Phase	Equipment	Number	Hours/Day	HP	Load	Days	Total hp-hr
Demolition	Rough Terrain Forklifts	1	8	100	0.4	47	15,040
Demolition	Sweepers/Scrubbers	1	8	64	0.46	47	11,069
Demolition	Tractors/Loaders/Backhoes	1	8	97	0.37	47	13,495
Site Preparation	Excavators	1	8	158	0.38	33	15,851
Site Preparation	Rough Terrain Forklifts	1	8	100	0.4	33	10,560
Site Preparation	Sweepers/Scrubbers	1	8	64	0.46	33	7,772
Grading/Excavation	Excavators	1	8	158	0.38	29	13,929
Grading/Excavation	Graders	1	8	187	0.41	29	17,787
Grading/Excavation	Rough Terrain Forklifts	1	8	100	0.4	29	9,280
Grading/Excavation	Sweepers/Scrubbers	1	8	64	0.46	29	6,830
Grading/Excavation	Tractors/Loaders/Backhoes	1	7	97	0.37	29	7,286
Drainage/Utilities/Trenching	Rough Terrain Forklifts	1	8	100	0.4	21	6,720
Drainage/Utilities/Trenching	Sweepers/Scrubbers	1	8	64	0.46	21	4,946
Drainage/Utilities/Trenching	Tractors/Loaders/Backhoes	1	7	97	0.37	21	5,276
Foundations/Concrete Pour	Concrete/Industrial Saws	1	8	81	0.73	14	6,623
Foundations/Concrete Pour	Rough Terrain Forklifts	1	8	100	0.4	14	4,480
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	1	6	97	0.37	14	3,015
Building Construction	Forklifts	1	7	89	0.2	117	14,578
Building Construction	Rough Terrain Forklifts	1	8	100	0.4	117	37,440
Paving	Pavers	1	8	130	0.42	24	10,483
Paving	Paving Equipment	1	8	132	0.36	24	9,124
Architectural Coating	Aerial Lifts	2	8	63	0.31	20	6,250
						Total >100	67,174
						Total <100	170,659

Covina Public Storage Project
Air Quality Assessment

Regional Operational Emissions

Maximum Unmitigated Regional Operational Emissions (pounds per day) [a]

Source	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	3.20	0.00	0.02	0.00E+00	0.00	0.00
Energy (Natural Gas)	0.00	0.04	0.03	2.10E-04	0.00	0.00
Motor Vehicles	0.61	0.85	5.80	0.02	0.62	0.12
Total Project On-Site and Off-Site Emissions	**4**	**1**	**6**	**0.0**	**1**	**0**
SCAQMD Numeric Indicators	**55.0**	**55.0**	**550.0**	**150.0**	**150.0**	**55.0**
Over/(Under)	(51)	(54)	(544.2)	(150.0)	(149)	(55)
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

Net Regional Operations

Maximum Unmitigated Regional Operational Emissions (pounds per day) [a]

Source	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	2	<1	<1	<1	<1	<1
Energy (Natural Gas)	-<1	-<1	-<1	-<1	-<1	-<1
Motor Vehicles	-<1	0	-<1	-<1	-<1	-<1
Total Project On-Site and Off-Site Emissions	**2**	**0**	**-1**	**0**	**0**	**0**
SCAQMD Numeric Indicators	**55**	**55**	**550**	**150**	**150.0**	**55.0**
Over/(Under)	(53)	(55)	(551)	(150)	(150.0)	(55.0)
Exceeds Thresholds?	**No**	**No**	**No**	**No**	**No**	**No**

Covina Public Storage Project
Air Quality Assessment

Localized Operational Emissions

Maximum Unmitigated Localized Operational Emissions (pounds per day) [a]

Source	NO_X	CO	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	0.0002	0.017	0.0001	0.0001
Energy (Natural Gas)	0.035	0.030	0.003	0.003
Total Project On-Site Emissions	**0.035**	**0.047**	**0.003**	**0.003**
SCAQMD Numeric Indicators	**128**	**953**	**2.00**	**2.00**
Over/(Under)	(128)	(953)	(2.0)	(2.0)
Exceeds Thresholds?	**No**	**No**	**No**	**No**

Localized significance thresholds from SCAQMD Look-Up tables, scaled for a 2-acre site in SRA 9 with the neareast sensitive receptor within 25 meters from the Site.

Net Localized Operational Emissions

Maximum Unmitigated Localized Operational Emissions (pounds per day) [a]

Source	NO_X	CO	PM_{10}	$PM_{2.5}$
Area (Consumer Products, Landscaping)	0.00	0.01	0.00	0.00
Energy (Natural Gas)	-0.23	-0.19	-0.02	-0.02
Total Project On-Site Emissions	**-0.23**	**-0.18**	**-0.02**	**-0.02**
SCAQMD Numeric Indicators	**128**	**953**	**2.00**	**2.00**
Over/(Under)	-128	-953	-2.02	-2.02
Exceeds Thresholds?	**No**	**No**	**No**	**No**

Covina Public Storage Project

Greenhouse Gas Emissions Summary

Project Operations GHG Summary (Full Buildout Year 2024	
Category	**$MTCO_2e/yr$**
Mobile	269
Area	0
Electricity	131
Waste	<1
Water	140
EV Charging	1
Construction	10
Project Subtotal	**551**
Existing	579
Project Net Total GHG Emissions	**(28)**

$MTCO_2e$=Metric Tons Carbon Dioxide equivalents

Note: Waste emissions are only from the office building portion.

Existing Emissions Summary	
Category	**$MTCO_2e/yr$**
On Road Mobile Sources	284
Area	0.0015
Energy (Electricity and Natural Gas)	201
Water	34
Waste	58
Total Existing Emissions	**579**

Covina Public Storage Project

Construction GHG Emissions Summary

Year	Project Total
2022	41
2023	273
Project Total	314
30 Year-Amortization	**10**

$MTCO_2e$=Metric Tons Carbon Dioxide equivalents

Covina Public Storage Project
Air Quality and GHG Assessment
Operational Mobile Emissions

				Criteria Pollutant Emission Factors (lb/mile)									GHG Emissions (metric tons/mile)				Criteria Pollutant Emissions (pounds/day)									GHG Emissions (metric tons/year)			
	Year	Max Daily VMT	Annual VMT	ROG	NOx	CO	SOx	PM10 Road Dust	PM10	PM10 Total	PM2 5 Road Dust	PM2 5	PM2.5 Total	CO2	CH4	N2O	CO2e	ROG	NOx	CO	SOx	PM10 Road Dust	PM10	PM10 Total	PM2 5 Road Dust	PM2 5	PM2.5 Total	CO2	CH4	N2O	CO2e
																												1	*25*	*298*	
Project	2024	1,876	684,634	3.26E-04	4.55E-04	3.09E-03	8.24E-06	2.72E-04	5.67E-05	3.29E-04	4.08E-05	2.15E-05	6.22E-05	3.86E-04	2.00E-08	2.04E-08	3.93E-04	0.61	0.85	5.80	0.02	0.51	0.11	0.62	0.08	0.04	0.12	264.45	0.01	0.01	268.96
Existing	2022	1,902	694,232	3.70E-04	5.66E-04	3.59E-03	8.59E-06	2.72E-04	5.73E-05	3.29E-04	4.08E-05	2.21E-05	6.29E-05	4.03E-04	2.23E-08	2.19E-08	4.10E-04	0.70	1.08	6.83	0.02	0.52	0.11	0.63	0.08	0.04	0.12	279.55	0.02	0.02	284.47
Difference																															

	Daily Trips	VMT/Trip	Daily VMT
Project	214	8.765	1875.71
Existing	217	8.765	1902.005

Source: LSA, Trip Generation Memo, July 30, 2021.

Trips for Unrefrigerated Warehouse

Non-Res C-C Trip Length (miles)	Non-Res C-W Trip Length (miles)	Non-Res C-NW Trip Length (miles)	Primary %	Divert %	Pass-by %	Weighted Avg Trip Length (miles)
8.4	16.6	6.9	92%	5%	3%	8.765

Source: CalEEMod 2020.4.0

Trips for Manufacturing

Non-Res C-C Trip Length (miles)	Non-Res C-W Trip Length (miles)	Non-Res C-NW Trip Length (miles)	Primary %	Divert %	Pass-by %	Weighted Avg Trip Length (miles)
8.4	16.6	6.9	92%	5%	3%	8.765

Source: CalEEMod 2020.4.0

Row Labels	Sum of ROG_TOTAL	Sum of NOx_TOTEX	Sum of CO_TOTEX	Sum of SOx_TOTEX	Sum of PM10_TOTAL	Sum of PM2.5_TOTAL	Sum of CO2_TOTEX	Sum of CH4_TOTEX	Sum of N2O_TOTEX	Sum of Total VMT
2024	46.81387719	65.39336296	443.7568226	1.18250584	8.147639735	3.082049915	122268.2857	6.323573595	6.466685631	287155830.8
2022	52.02015154	79.72039361	505.6648129	1.208950571	8.068815902	3.108072921	124957.8548	6.934362899	6.801873496	281521320
Grand Total	**98.83402873**	**145.1137566**	**949.4216355**	**2.391456411**	**16.21645564**	**6.190122835**	**247226.1406**	**13.25793649**	**13.26855913**	**568677150.8**

Tons/Day

Row Labels	Sum of ROG_TOTAL	Sum of NOx_TOTEX	Sum of CO_TOTEX	Sum of SOx_TOTEX	Sum of PM10_TOTAL	Sum of PM2.5_TOTAL	Sum of CO2_TOTEX	Sum of CH4_TOTEX	Sum of N2O_TOTEX	Sum of Total VMT
2024	46.81387719	65.39336296	443.7568226	1.18250584	8.147639735	3.082049915	122268.2857	6.323573595	6.466685631	287155830.8
2022	52.02015154	79.72039361	505.6648129	1.208950571	8.068815902	3.108072921	124957.8548	6.934362899	6.801873496	281521320

Emissions Factors

	lbs/mile						MT/mile			
	ROG	NOx	CO	SOx	PM10	PM2_5	CO2	CH4	N2O	CO2e
2024	0.000326052	0.000455456	0.003090704	8.23599E-06	5.67472E-05	2.1466E-05	0.000386271	1.99775E-08	2.04296E-08	0.000392858
2022	0.000369565	0.000566354	0.003592373	8.5887E-06	5.73229E-05	2.20806E-05	0.000402669	2.23456E-08	2.19186E-08	0.000409759

Covina Public Storage Project
Road Dust

Paved Road Dust Emission Factors

County_Air District: Los Angeles SC

Formula: $EF_{Dust,P} = (k\ (sL)^{0.91} \times (W)^{1.02}) \times (1-P/4N)$

Where:

$EF_{Dust,P}$ =	Paved Road Dust Emission Factor (having the same units as k)	
k =	particle size multiplier	
sL =	road surface silt loading (g/m^2)	weighted average silt loading factor used
W =	average fleet vehicle weight (tons) (CARB uses 2.4 tons as a fleet average vehicle weight factor)	
P =	number of "wet" days, when at least one site per county received at least 0.01 inch	Table 5 of CARB Miscellaneous Process Methodology 7.9 for Los Angeles County
N =	the number of days in the annual averaging period (default = 365)	

Emission Factor (grams per VMT)	PM10	PM2.5	
k	1.0000	0.1500	
sL	0.03892	0.03892	
W	2.4	2.4	
P	46	46	Autoupdates for the appropriate County using Table 5 CARB Miscellaneous Process Methodology 7.9
N	365	365	
$EF_{Dust,P}$	0.1233	0.0185	

Unpaved Road Dust Emission Factors (Assumes No Precipitation)

Formula: $EF_{Dust,U} = (k\ (s/12)^{1} \times (Sp/30)^{0.5} / (M/0.5)^{0.2}) - C)$

Where:

$EF_{Dust,U}$ =	Unpaved Road Dust Emission Factor (having the same units as k)
k =	particle size multiplier
s =	surface material silt content (%)
Sp =	mean vehicle speed (mph)
M =	surface material moisture content (%)
C =	Emission Factor for 1980s vehicle fleet exhaust, brake wear, and tire wear

Emission Factor (grams per VMT)	PM10	PM2.5
k	816.47	81.65
s	4.3%	4.3%
Sp	15	15
M	0.5%	0.5%
C	0.00047	0.00036
$EF_{Dust,U}$	5.20E+00	5.19E-01

Covina Public Self Storage
Operational Energy Demand

Electricity	kWh/yr	MWh/yr
Existing		
Manufacturing	600,786	600.8
Existing Total - Building Energy	**600,786**	**600.8**
Existing Total (including water)	**767,361**	**767.4**
Project		
General Office Building	13,969	14.0
Unrefrigerated Warehouse - No Rail	575,911	575.9
City Park	0	-
Parking Lot	3,640	3.6
Other Asphalt Surfaces	0	-
EV Charging (see worksheet)	4,818	5
Solar PV	-	-
Project Total Building Energy	**593,520**	**593.5**
Project Total	**598,338**	**598.3**
Total (including water, see below)	**1,029,917**	**1,029.9**
Net Total	**262,556**	**262.6**

Source: California Air Resources Board, CalEEMod, Version 2016.3.2.

Electricity	MWh/yr (Supplied)	MWh/yr (Sales)
Total SCE, 2020	84,654,000	85,399,000
Project - Net Total	263	262.6
Percent Net Project of SCE	0.0003%	0.0003%

Source: Southern California Edison 2020 Annual Report. https://docs.cpuc.ca.gov/PublishedDocs/SupDoc/

Water	Mgal/yr	MWh/yr
Existing		
Manufacturing	12.8	166.58
Existing Total	**12.8**	**166.58**
Project		
General Office Building	0.26	3.36
Unrefrigerated Warehouse - No Rail	32.62	424.81
City Park	0.26	3.41
Parking Lot	0.00	-
Other Asphalt Surfaces	0.00	-
Project Total	**33.145**	**431.58**

Electricity Intensity Factors	kWh/Mgal
Electricity Factor - Supply	9,727
Electricity Factor - Treat	111
Electricity Factor - Distribute	1,272
Electricity Factor - Wastewater Treatment	1,911

Source: California Air Resources Board, CalEEMod, Version 2016.3.2.

Water Demand based on Project Water supply Assessment

Sewage Facilities Charge, Sewage Generation Factor for Residential and Commercial Categories, 2012.

Covina Public Self Storage
Operational Energy Analysis

Estimated Electricity demand from Electric Vehicle Supply Equipment (EVSE)

Land Use Type	Number of EVSE Charging Spaces	Number of Spaces with EV Chargers [b]	Average Charge (kWh/day) [a]	Days/Year	Electricity Demand (kWh/yr)	Electricity Demand (MWh/yr)
Total	**26**	**3.00**	**4.4**	**365**	4,818	4.82

Notes:

a. Estimated based on reference sources listed below.

b. Project would install EV charging spaces for approximately 10 percent of its 403 required parking spaces for immediate use.

c. Project would install pre-wiring for EV charging spaces for 20 percent of its parking capacity for future use (so 10% in addition to the immediate use).

Sources:

US Department of Energy. Alternative Fuels Data Center, 2016. Hybrid and Plug-In Electric Vehicle Emissions Data Sources and Assumptions.
Available at: https://www.afdc.energy.gov/vehicles/electric_emissions_sources.html.

US Department of Energy. Smith, Margaret, 2016. Level 1 Electric Vehicle Charging Stations at the Workplace.
Available at: https://www.afdc.energy.gov/uploads/publication/WPCC_L1ChargingAtTheWorkplace_0716.pdf.

UCLA Luskin Center for Innovation. Williams, Brett and JR deShazo, 2013. Pricing Workplace Charging: Financial Viability and Fueling Costs.
Available at: http://luskin.ucla.edu/sites/default/files/Luskin-WPC-TRB-13-11-15d.pdf.

Covina Public Self Storage
Project Energy Analysis
Fuel Usage from VMT

Annual VMT (Traffic Study)[4]: 684,634 miles/year

Fuel Type:[1]	Gasoline	Diesel	Electricity	Natural Gas	Plug-in Hybrid
Percent:	89.6%	5.0%	3.2%	0.3%	1.9%
Miles per Gallon Fuel:	24.2	8.5	-	4.1	56.3
Annual VMT by Fuel Type (miles):	613,218	34,203	22,081	2,104	13,028
Annual Fuel Usage (gallons):	25,299	4,016	-	66	232

	Los Angeles County Fuel Consumption [3]	
	Gasoline	Diesel
Los Angeles County:	2,770,000,000	610,204,082
Mobile	25,530	4,016
Project Total	25,530	4,016
Existing Total	27,216	4,054
Net Project Total	(1,685)	(37)
Percent Net Project of Los Angeles County:	0.000%	0.000%

Notes:

1. California Air Resources Board, EMFAC2021 (LA County; Annual; 2024', Aggregate Fleet).
2. Assumes electric vehicles would replace traditional gasoline-fueled vehicles.
3. California Energy Commission, California Retail Fuel Outlet Annual Reporting (CEC-A15) Results, 2019. Available at: https://ww2.energy.ca.gov/almanac/transportation_data/gasoline/piira_retail_survey.html. Accessed May 2021. Diesel is adjusted to account for retail (48%) and non-retail (52%) diesel sales.

Covina Public Self Storage
Project Energy Analysis
Fuel Usage from VMT

Annual VMT (Traffic Study)[4]: 694,232 miles/year

Fuel Type:[1]	Gasoline	Diesel	Electricity	Natural Gas	Plug-in Hybrid
Percent:	91.1%	4.8%	2.2%	0.3%	1.6%
Miles per Gallon Fuel:	23.4	8.2	-	4.0	53.3
Annual VMT by Fuel Type (miles):	632,734	33,274	15,238	2,170	10,817
Annual Fuel Usage (gallons):	27,012	4,054	-	69	203

	Los Angeles County Fuel Consumption [3]	
	Gasoline	Diesel
Los Angeles County:	2,770,000,000	610,204,082
Mobile	27,216	4,054
Existing Total	27,216	4,054
Percent Net Project of Los Angeles County:	0.001%	0.001%

Notes:

1. California Air Resources Board, EMFAC2021 (LA County; Annual; 2024', Aggregate Fleet).
2. Assumes electric vehicles would replace traditional gasoline-fueled vehicles.
3. California Energy Commission, California Retail Fuel Outlet Annual Reporting (CEC-A15) Results, 2019. Available at: https://ww2.energy.ca.gov/almanac/transportation_data/gasoline/piira_retail_survey.html. Accessed May 2021. Diesel is adjusted to account for retail (48%) and non-retail (52%) diesel sales.

Covina Public Storage Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Covina Public Storage Project

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.90	1000sqft	0.02	900.00	0
Unrefrigerated Warehouse-No Rail	141.08	1000sqft	0.98	141,084.00	0
Parking Lot	26.00	Space	0.23	10,400.00	0
City Park	0.22	Acre	0.22	9,781.00	0
Other Asphalt Surfaces	1.25	Acre	1.25	54,450.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	541.32	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity adjusted for 2022 const start date per 2020 Power Content Label

Land Use - 2.7 acre site

Construction Phase - per client

Off-road Equipment - per client

Off-road Equipment - per client

Off-road Equipment - per client

Off-road Equipment - per client

Off-road Equipment - per client

Covina Public Storage Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - per client

Off-road Equipment - per client

Off-road Equipment - per client

Trips and VMT - mobile calc separately

Demolition - per client

Grading - 8000 cy export

Vehicle Trips - mobile counted separately

Woodstoves - construction only run

Construction Off-road Equipment Mitigation - Tier 3

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	220.00	14.00
tblConstructionPhase	NumDays	220.00	117.00
tblConstructionPhase	NumDays	20.00	47.00
tblConstructionPhase	NumDays	6.00	29.00
tblConstructionPhase	NumDays	6.00	21.00
tblConstructionPhase	NumDays	10.00	24.00
tblConstructionPhase	NumDays	3.00	33.00
tblConstructionPhase	PhaseEndDate	9/23/2024	10/13/2023
tblConstructionPhase	PhaseEndDate	10/23/2023	5/20/2023
tblConstructionPhase	PhaseEndDate	8/26/2024	10/31/2023
tblConstructionPhase	PhaseEndDate	11/28/2022	1/4/2023
tblConstructionPhase	PhaseEndDate	12/9/2022	4/1/2023
tblConstructionPhase	PhaseEndDate	12/19/2022	5/1/2023
tblConstructionPhase	PhaseEndDate	9/9/2024	9/15/2023
tblConstructionPhase	PhaseEndDate	12/1/2022	2/20/2023
tblConstructionPhase	PhaseStartDate	9/10/2024	9/16/2023
tblConstructionPhase	PhaseStartDate	12/20/2022	5/2/2023
tblConstructionPhase	PhaseStartDate	10/24/2023	5/21/2023

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	PhaseStartDate	12/2/2022	2/21/2023
tblConstructionPhase	PhaseStartDate	12/10/2022	4/2/2023
tblConstructionPhase	PhaseStartDate	8/27/2024	8/15/2023
tblConstructionPhase	PhaseStartDate	11/29/2022	1/5/2023
tblGrading	MaterialExported	0.00	11,500.00
tblGrading	MaterialImported	0.00	3,500.00
tblLandUse	LandUseSquareFeet	141,080.00	141,084.00
tblLandUse	LandUseSquareFeet	9,583.20	9,781.00
tblLandUse	LotAcreage	3.24	0.98
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0	0.033
tblProjectCharacteristics	CO2IntensityFactor	0	541.32
tblProjectCharacteristics	N2OIntensityFactor	0	0.004
tblTripsAndVMT	HaulingTripNumber	222.00	0.00
tblTripsAndVMT	HaulingTripNumber	1,483.00	0.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	91.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	91.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	5.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00

2.0 Emissions Summary

Covina Public Storage Project - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0103	0.1089	0.1416	2.0000e-004	0.0225	5.7500e-003	0.0283	3.4100e-003	5.2900e-003	8.7000e-003	0.0000	17.5728	17.5728	5.6800e-003	0.0000	17.7148
2023	0.7167	0.5043	0.6914	1.0900e-003	9.2300e-003	0.0224	0.0316	1.0600e-003	0.0207	0.0217	0.0000	95.6219	95.6219	0.0299	0.0000	96.3693
Maximum	**0.7167**	**0.5043**	**0.6914**	**1.0900e-003**	**0.0225**	**0.0224**	**0.0316**	**3.4100e-003**	**0.0207**	**0.0217**	**0.0000**	**95.6219**	**95.6219**	**0.0299**	**0.0000**	**96.3693**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	4.9000e-003	0.1119	0.1511	2.0000e-004	8.7900e-003	7.8400e-003	0.0166	1.3300e-003	7.8400e-003	9.1700e-003	0.0000	17.5727	17.5727	5.6800e-003	0.0000	17.7148
2023	0.6956	0.5753	0.7972	1.0900e-003	3.6000e-003	0.0361	0.0397	4.1000e-004	0.0361	0.0365	0.0000	95.6218	95.6218	0.0299	0.0000	96.3692
Maximum	**0.6956**	**0.5753**	**0.7972**	**1.0900e-003**	**8.7900e-003**	**0.0361**	**0.0397**	**1.3300e-003**	**0.0361**	**0.0365**	**0.0000**	**95.6218**	**95.6218**	**0.0299**	**0.0000**	**96.3692**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**3.65**	**-12.06**	**-13.85**	**0.00**	**61.00**	**-56.17**	**5.96**	**61.07**	**-69.29**	**-50.16**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**11-1-2022**	**1-31-2023**	0.1747	0.1819
2	**2-1-2023**	**4-30-2023**	0.2534	0.2529
3	**5-1-2023**	**7-31-2023**	0.1029	0.1170
4	**8-1-2023**	**9-30-2023**	0.4623	0.4811
		Highest	0.4623	0.4811

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5843	2.0000e-005	2.1600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.2100e-003	4.2100e-003	1.0000e-005	0.0000	4.4800e-003
Energy	7.0000e-004	6.4000e-003	5.3800e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	143.3032	143.3032	8.4400e-003	1.1400e-003	143.8526
Mobile	0.1524	0.1849	1.6820	3.7900e-003	0.4036	2.7400e-003	0.4063	0.1077	2.5500e-003	0.1102	0.0000	351.0373	351.0373	0.0230	0.0147	355.9911
Waste						0.0000	0.0000		0.0000	0.0000	27.0952	0.0000	27.0952	1.6013	0.0000	67.1273
Water						0.0000	0.0000		0.0000	0.0000	10.4011	105.8004	116.2015	1.0747	0.0260	150.8199
Total	**0.7373**	**0.1913**	**1.6895**	**3.8300e-003**	**0.4036**	**3.2400e-003**	**0.4068**	**0.1077**	**3.0500e-003**	**0.1107**	**37.4963**	**600.1451**	**637.6414**	**2.7074**	**0.0419**	**717.7954**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5843	2.0000e-005	2.1600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.2100e-003	4.2100e-003	1.0000e-005	0.0000	4.4800e-003
Energy	7.0000e-004	6.4000e-003	5.3800e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	143.3032	143.3032	8.4400e-003	1.1400e-003	143.8526
Mobile	0.1524	0.1849	1.6820	3.7900e-003	0.4036	2.7400e-003	0.4063	0.1077	2.5500e-003	0.1102	0.0000	351.0373	351.0373	0.0230	0.0147	355.9911
Waste						0.0000	0.0000		0.0000	0.0000	27.0952	0.0000	27.0952	1.6013	0.0000	67.1273
Water						0.0000	0.0000		0.0000	0.0000	10.4011	105.8004	116.2015	1.0747	0.0260	150.8199
Total	**0.7373**	**0.1913**	**1.6895**	**3.8300e-003**	**0.4036**	**3.2400e-003**	**0.4068**	**0.1077**	**3.0500e-003**	**0.1107**	**37.4963**	**600.1451**	**637.6414**	**2.7074**	**0.0419**	**717.7954**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2022	1/4/2023	5	47	
2	Site Preparation	Site Preparation	1/5/2023	2/20/2023	5	33	
3	Grading/Excavation	Grading	2/21/2023	4/1/2023	5	29	

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4	Drainage/Utilities/Trenching	Grading	4/2/2023	5/1/2023	5	21	
5	Foundations/Concrete Pour	Building Construction	5/2/2023	5/20/2023	5	14	
6	Building Construction	Building Construction	5/21/2023	10/31/2023	5	117	
7	Paving	Paving	8/15/2023	9/15/2023	5	24	
8	Architectural Coating	Architectural Coating	9/16/2023	10/13/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 14.5

Acres of Paving: 1.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 212,976; Non-Residential Outdoor: 70,992; Striped Parking Area: 3,891 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rough Terrain Forklifts	1	8.00	100	0.40
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Sweepers/Scrubbers	1	8.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rough Terrain Forklifts	1	8.00	100	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Sweepers/Scrubbers	1	8.00	64	0.46
Site Preparation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading/Excavation	Excavators	1	8.00	158	0.38
Grading/Excavation	Graders	1	8.00	187	0.41
Grading/Excavation	Rough Terrain Forklifts	1	8.00	100	0.40
Grading/Excavation	Rubber Tired Dozers	0	8.00	247	0.40

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading/Excavation	Sweepers/Scrubbers	1	8.00	64	0.46
Grading/Excavation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Drainage/Utilities/Trenching	Rough Terrain Forklifts	1	8.00	100	0.40
Drainage/Utilities/Trenching	Sweepers/Scrubbers	1	8.00	64	0.46
Foundations/Concrete Pour	Concrete/Industrial Saws	1	8.00	81	0.73
Drainage/Utilities/Trenching	Graders	0	8.00	187	0.41
Foundations/Concrete Pour	Rough Terrain Forklifts	1	8.00	100	0.40
Drainage/Utilities/Trenching	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Drainage/Utilities/Trenching	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Aerial Lifts	2	8.00	63	0.31
Foundations/Concrete Pour	Cranes	0	8.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	7.00	89	0.20
Foundations/Concrete Pour	Generator Sets	0	8.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45
Building Construction	Cranes	0	8.00	231	0.29
Building Construction	Forklifts	1	7.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	3	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Excavation	5	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Drainage/Utilities/Trenching	3	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundations/Concrete Pour	3	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	2	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0225	0.0000	0.0225	3.4100e-003	0.0000	3.4100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1089	0.1416	2.0000e-004		5.7500e-003	5.7500e-003		5.2900e-003	5.2900e-003	0.0000	17.5728	17.5728	5.6800e-003	0.0000	17.7148
Total	**0.0103**	**0.1089**	**0.1416**	**2.0000e-004**	**0.0225**	**5.7500e-003**	**0.0283**	**3.4100e-003**	**5.2900e-003**	**8.7000e-003**	**0.0000**	**17.5728**	**17.5728**	**5.6800e-003**	**0.0000**	**17.7148**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.7900e-003	0.0000	8.7900e-003	1.3300e-003	0.0000	1.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9000e-003	0.1119	0.1511	2.0000e-004		7.8400e-003	7.8400e-003		7.8400e-003	7.8400e-003	0.0000	17.5727	17.5727	5.6800e-003	0.0000	17.7148
Total	**4.9000e-003**	**0.1119**	**0.1511**	**2.0000e-004**	**8.7900e-003**	**7.8400e-003**	**0.0166**	**1.3300e-003**	**7.8400e-003**	**9.1700e-003**	**0.0000**	**17.5727**	**17.5727**	**5.6800e-003**	**0.0000**	**17.7148**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5400e-003	0.0000	1.5400e-003	2.3000e-004	0.0000	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6000e-004	6.9500e-003	9.6500e-003	1.0000e-005		3.4000e-004	3.4000e-004		3.2000e-004	3.2000e-004	0.0000	1.1987	1.1987	3.9000e-004	0.0000	1.2084
Total	**6.6000e-004**	**6.9500e-003**	**9.6500e-003**	**1.0000e-005**	**1.5400e-003**	**3.4000e-004**	**1.8800e-003**	**2.3000e-004**	**3.2000e-004**	**5.5000e-004**	**0.0000**	**1.1987**	**1.1987**	**3.9000e-004**	**0.0000**	**1.2084**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.0000e-004	0.0000	6.0000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3000e-004	7.6300e-003	0.0103	1.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	1.1987	1.1987	3.9000e-004	0.0000	1.2084
Total	**3.3000e-004**	**7.6300e-003**	**0.0103**	**1.0000e-005**	**6.0000e-004**	**5.3000e-004**	**1.1300e-003**	**9.0000e-005**	**5.3000e-004**	**6.2000e-004**	**0.0000**	**1.1987**	**1.1987**	**3.9000e-004**	**0.0000**	**1.2084**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8600e-003	0.0768	0.1232	1.8000e-004		3.7900e-003	3.7900e-003		3.4800e-003	3.4800e-003	0.0000	16.1673	16.1673	5.2300e-003	0.0000	16.2980
Total	**7.8600e-003**	**0.0768**	**0.1232**	**1.8000e-004**	**0.0000**	**3.7900e-003**	**3.7900e-003**	**0.0000**	**3.4800e-003**	**3.4800e-003**	**0.0000**	**16.1673**	**16.1673**	**5.2300e-003**	**0.0000**	**16.2980**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5200e-003	0.0959	0.1394	1.8000e-004		5.8400e-003	5.8400e-003		5.8400e-003	5.8400e-003	0.0000	16.1673	16.1673	5.2300e-003	0.0000	16.2980
Total	**4.5200e-003**	**0.0959**	**0.1394**	**1.8000e-004**	**0.0000**	**5.8400e-003**	**5.8400e-003**	**0.0000**	**5.8400e-003**	**5.8400e-003**	**0.0000**	**16.1673**	**16.1673**	**5.2300e-003**	**0.0000**	**16.2980**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading/Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.6900e-003	0.0000	7.6900e-003	8.3000e-004	0.0000	8.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.1544	0.1611	3.0000e-004		6.4800e-003	6.4800e-003		5.9600e-003	5.9600e-003	0.0000	26.1087	26.1087	8.4400e-003	0.0000	26.3198
Total	**0.0144**	**0.1544**	**0.1611**	**3.0000e-004**	**7.6900e-003**	**6.4800e-003**	**0.0142**	**8.3000e-004**	**5.9600e-003**	**6.7900e-003**	**0.0000**	**26.1087**	**26.1087**	**8.4400e-003**	**0.0000**	**26.3198**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading/Excavation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.0000e-003	0.0000	3.0000e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.2900e-003	0.1518	0.2032	3.0000e-004		8.4000e-003	8.4000e-003		8.4000e-003	8.4000e-003	0.0000	26.1087	26.1087	8.4400e-003	0.0000	26.3198
Total	**7.2900e-003**	**0.1518**	**0.2032**	**3.0000e-004**	**3.0000e-003**	**8.4000e-003**	**0.0114**	**3.2000e-004**	**8.4000e-003**	**8.7200e-003**	**0.0000**	**26.1087**	**26.1087**	**8.4400e-003**	**0.0000**	**26.3198**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading/Excavation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Drainage/Utilities/Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.4100e-003	0.0467	0.0647	9.0000e-005		2.3100e-003	2.3100e-003		2.1300e-003	2.1300e-003	0.0000	8.0381	8.0381	2.6000e-003	0.0000	8.1031
Total	**4.4100e-003**	**0.0467**	**0.0647**	**9.0000e-005**	**0.0000**	**2.3100e-003**	**2.3100e-003**	**0.0000**	**2.1300e-003**	**2.1300e-003**	**0.0000**	**8.0381**	**8.0381**	**2.6000e-003**	**0.0000**	**8.1031**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Drainage/Utilities/Trenching - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2400e-003	0.0512	0.0691	9.0000e-005		3.5900e-003	3.5900e-003		3.5900e-003	3.5900e-003	0.0000	8.0381	8.0381	2.6000e-003	0.0000	8.1031
Total	**2.2400e-003**	**0.0512**	**0.0691**	**9.0000e-005**	**0.0000**	**3.5900e-003**	**3.5900e-003**	**0.0000**	**3.5900e-003**	**3.5900e-003**	**0.0000**	**8.0381**	**8.0381**	**2.6000e-003**	**0.0000**	**8.1031**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Drainage/Utilities/Trenching - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.8700e-003	0.0360	0.0533	8.0000e-005		1.6100e-003	1.6100e-003		1.5500e-003	1.5500e-003	0.0000	7.3197	7.3197	1.3400e-003	0.0000	7.3531
Total	**3.8700e-003**	**0.0360**	**0.0533**	**8.0000e-005**		**1.6100e-003**	**1.6100e-003**		**1.5500e-003**	**1.5500e-003**	**0.0000**	**7.3197**	**7.3197**	**1.3400e-003**	**0.0000**	**7.3531**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Foundations/Concrete Pour - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.8700e-003	0.0426	0.0576	8.0000e-005		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	7.3197	7.3197	1.3400e-003	0.0000	7.3531
Total	**1.8700e-003**	**0.0426**	**0.0576**	**8.0000e-005**		**2.9900e-003**	**2.9900e-003**		**2.9900e-003**	**2.9900e-003**	**0.0000**	**7.3197**	**7.3197**	**1.3400e-003**	**0.0000**	**7.3531**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Foundations/Concrete Pour - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0114	0.1310	0.1924	2.8000e-004		5.6700e-003	5.6700e-003		5.2100e-003	5.2100e-003	0.0000	24.5891	24.5891	7.9500e-003	0.0000	24.7879
Total	**0.0114**	**0.1310**	**0.1924**	**2.8000e-004**		**5.6700e-003**	**5.6700e-003**		**5.2100e-003**	**5.2100e-003**	**0.0000**	**24.5891**	**24.5891**	**7.9500e-003**	**0.0000**	**24.7879**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.8800e-003	0.1571	0.2122	2.8000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	24.5891	24.5891	7.9500e-003	0.0000	24.7879
Total	**6.8800e-003**	**0.1571**	**0.2122**	**2.8000e-004**		**0.0110**	**0.0110**		**0.0110**	**0.0110**	**0.0000**	**24.5891**	**24.5891**	**7.9500e-003**	**0.0000**	**24.7879**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.8 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.3500e-003	0.0418	0.0653	1.1000e-004		2.0000e-003	2.0000e-003		1.8400e-003	1.8400e-003	0.0000	9.2499	9.2499	2.9900e-003	0.0000	9.3246
Paving	1.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.2900e-003**	**0.0418**	**0.0653**	**1.1000e-004**		**2.0000e-003**	**2.0000e-003**		**1.8400e-003**	**1.8400e-003**	**0.0000**	**9.2499**	**9.2499**	**2.9900e-003**	**0.0000**	**9.3246**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.5900e-003	0.0501	0.0800	1.1000e-004		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	9.2498	9.2498	2.9900e-003	0.0000	9.3246
Paving	1.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.5300e-003**	**0.0501**	**0.0800**	**1.1000e-004**		**2.4200e-003**	**2.4200e-003**		**2.4200e-003**	**2.4200e-003**	**0.0000**	**9.2498**	**9.2498**	**2.9900e-003**	**0.0000**	**9.3246**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.9 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6671					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.9000e-004	0.0107	0.0218	3.0000e-005		1.8000e-004	1.8000e-004		1.7000e-004	1.7000e-004	0.0000	2.9505	2.9505	9.5000e-004	0.0000	2.9744
Total	**0.6678**	**0.0107**	**0.0218**	**3.0000e-005**		**1.8000e-004**	**1.8000e-004**		**1.7000e-004**	**1.7000e-004**	**0.0000**	**2.9505**	**2.9505**	**9.5000e-004**	**0.0000**	**2.9744**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6671					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3000e-004	0.0189	0.0255	3.0000e-005		1.3200e-003	1.3200e-003		1.3200e-003	1.3200e-003	0.0000	2.9505	2.9505	9.5000e-004	0.0000	2.9744
Total	**0.6679**	**0.0189**	**0.0255**	**3.0000e-005**		**1.3200e-003**	**1.3200e-003**		**1.3200e-003**	**1.3200e-003**	**0.0000**	**2.9505**	**2.9505**	**9.5000e-004**	**0.0000**	**2.9744**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1524	0.1849	1.6820	3.7900e-003	0.4036	2.7400e-003	0.4063	0.1077	2.5500e-003	0.1102	0.0000	351.0373	351.0373	0.0230	0.0147	355.9911
Unmitigated	0.1524	0.1849	1.6820	3.7900e-003	0.4036	2.7400e-003	0.4063	0.1077	2.5500e-003	0.1102	0.0000	351.0373	351.0373	0.0230	0.0147	355.9911

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.17	0.43	0.48	728	728
General Office Building	8.77	1.99	0.63	21,376	21,376
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	245.48	245.48	245.48	1,052,054	1,052,054
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	254.42	247.90	246.59	1,074,159	1,074,159

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
General Office Building	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Unrefrigerated Warehouse-No Rail	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Other Asphalt Surfaces	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	136.3333	136.3333	8.3100e-003	1.0100e-003	136.8413
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	136.3333	136.3333	8.3100e-003	1.0100e-003	136.8413
NaturalGas Mitigated	7.0000e-004	6.4000e-003	5.3800e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9699	6.9699	1.3000e-004	1.3000e-004	7.0113
NaturalGas Unmitigated	7.0000e-004	6.4000e-003	5.3800e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9699	6.9699	1.3000e-004	1.3000e-004	7.0113

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	9279	5.0000e-005	4.5000e-004	3.8000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4952	0.4952	1.0000e-005	1.0000e-005	0.4981
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	121332	6.5000e-004	5.9500e-003	5.0000e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.4748	6.4748	1.2000e-004	1.2000e-004	6.5132
Total		**7.0000e-004**	**6.4000e-003**	**5.3800e-003**	**4.0000e-005**		**4.8000e-004**	**4.8000e-004**		**4.8000e-004**	**4.8000e-004**	**0.0000**	**6.9699**	**6.9699**	**1.3000e-004**	**1.3000e-004**	**7.0113**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	9279	5.0000e-005	4.5000e-004	3.8000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4952	0.4952	1.0000e-005	1.0000e-005	0.4981
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	121332	6.5000e-004	5.9500e-003	5.0000e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.4748	6.4748	1.2000e-004	1.2000e-004	6.5132
Total		**7.0000e-004**	**6.4000e-003**	**5.3800e-003**	**4.0000e-005**		**4.8000e-004**	**4.8000e-004**		**4.8000e-004**	**4.8000e-004**	**0.0000**	**6.9699**	**6.9699**	**1.3000e-004**	**1.3000e-004**	**7.0113**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	11250	2.7623	1.7000e-004	2.0000e-005	2.7726
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	3640	0.8938	5.0000e-005	1.0000e-005	0.8971
Unrefrigerated Warehouse-No Rail	540352	132.6772	8.0900e-003	9.8000e-004	133.1716
Total		**136.3333**	**8.3100e-003**	**1.0100e-003**	**136.8413**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	11250	2.7623	1.7000e-004	2.0000e-005	2.7726
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	3640	0.8938	5.0000e-005	1.0000e-005	0.8971
Unrefrigerated Warehouse-No Rail	540352	132.6772	8.0900e-003	9.8000e-004	133.1716
Total		**136.3333**	**8.3100e-003**	**1.0100e-003**	**136.8413**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5843	2.0000e-005	2.1600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.2100e-003	4.2100e-003	1.0000e-005	0.0000	4.4800e-003
Unmitigated	0.5843	2.0000e-005	2.1600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.2100e-003	4.2100e-003	1.0000e-005	0.0000	4.4800e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0667					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5173					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-004	2.0000e-005	2.1600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.2100e-003	4.2100e-003	1.0000e-005	0.0000	4.4800e-003
Total	**0.5843**	**2.0000e-005**	**2.1600e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.2100e-003**	**4.2100e-003**	**1.0000e-005**	**0.0000**	**4.4800e-003**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0667					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5173					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-004	2.0000e-005	2.1600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.2100e-003	4.2100e-003	1.0000e-005	0.0000	4.4800e-003
Total	**0.5843**	**2.0000e-005**	**2.1600e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.2100e-003**	**4.2100e-003**	**1.0000e-005**	**0.0000**	**4.4800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	116.2015	1.0747	0.0260	150.8199
Unmitigated	116.2015	1.0747	0.0260	150.8199

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.262126	0.7151	4.0000e-005	1.0000e-005	0.7177
General Office Building	0.15996 / 0.0980402	0.8296	5.2600e-003	1.3000e-004	0.9995
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	32.6247 / 0	114.6568	1.0694	0.0259	149.1027
Total		**116.2015**	**1.0747**	**0.0260**	**150.8199**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.262126	0.7151	4.0000e-005	1.0000e-005	0.7177
General Office Building	0.15996 / 0.0980402	0.8296	5.2600e-003	1.3000e-004	0.9995
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	32.6247 / 0	114.6568	1.0694	0.0259	149.1027
Total		**116.2015**	**1.0747**	**0.0260**	**150.8199**

8.0 Waste Detail

8.1 Mitigation Measures Waste

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	27.0952	1.6013	0.0000	67.1273
Unmitigated	27.0952	1.6013	0.0000	67.1273

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.02	4.0600e-003	2.4000e-004	0.0000	0.0101
General Office Building	0.84	0.1705	0.0101	0.0000	0.4224
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	132.62	26.9207	1.5910	0.0000	66.6948
Total		**27.0952**	**1.6013**	**0.0000**	**67.1273**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.02	4.0600e-003	2.4000e-004	0.0000	0.0101
General Office Building	0.84	0.1705	0.0101	0.0000	0.4224
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	132.62	26.9207	1.5910	0.0000	66.6948
Total		**27.0952**	**1.6013**	**0.0000**	**67.1273**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Covina Public Storage Project

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.90	1000sqft	0.02	900.00	0
Unrefrigerated Warehouse-No Rail	141.08	1000sqft	0.98	141,084.00	0
Parking Lot	26.00	Space	0.23	10,400.00	0
City Park	0.22	Acre	0.22	9,781.00	0
Other Asphalt Surfaces	1.25	Acre	1.25	54,450.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	541.32	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity adjusted for 2022 const start date per 2020 Power Content Label

Land Use - 2.7 acre site

Construction Phase - per client

Off-road Equipment - per client

Off-road Equipment - per client

Off-road Equipment - per client

Off-road Equipment - per client

Off-road Equipment - per client

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - per client

Off-road Equipment - per client

Off-road Equipment - per client

Trips and VMT - mobile calc separately

Demolition - per client

Grading - 8000 cy export

Vehicle Trips - mobile counted separately

Woodstoves - construction only run

Construction Off-road Equipment Mitigation - Tier 3

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	220.00	14.00
tblConstructionPhase	NumDays	220.00	117.00
tblConstructionPhase	NumDays	20.00	47.00
tblConstructionPhase	NumDays	6.00	29.00
tblConstructionPhase	NumDays	6.00	21.00
tblConstructionPhase	NumDays	10.00	24.00
tblConstructionPhase	NumDays	3.00	33.00
tblConstructionPhase	PhaseEndDate	9/23/2024	10/13/2023
tblConstructionPhase	PhaseEndDate	10/23/2023	5/20/2023
tblConstructionPhase	PhaseEndDate	8/26/2024	10/31/2023
tblConstructionPhase	PhaseEndDate	11/28/2022	1/4/2023
tblConstructionPhase	PhaseEndDate	12/9/2022	4/1/2023
tblConstructionPhase	PhaseEndDate	12/19/2022	5/1/2023
tblConstructionPhase	PhaseEndDate	9/9/2024	9/15/2023
tblConstructionPhase	PhaseEndDate	12/1/2022	2/20/2023
tblConstructionPhase	PhaseStartDate	9/10/2024	9/16/2023
tblConstructionPhase	PhaseStartDate	12/20/2022	5/2/2023
tblConstructionPhase	PhaseStartDate	10/24/2023	5/21/2023

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	PhaseStartDate	12/2/2022	2/21/2023
tblConstructionPhase	PhaseStartDate	12/10/2022	4/2/2023
tblConstructionPhase	PhaseStartDate	8/27/2024	8/15/2023
tblConstructionPhase	PhaseStartDate	11/29/2022	1/5/2023
tblGrading	MaterialExported	0.00	11,500.00
tblGrading	MaterialImported	0.00	3,500.00
tblLandUse	LandUseSquareFeet	141,080.00	141,084.00
tblLandUse	LandUseSquareFeet	9,583.20	9,781.00
tblLandUse	LotAcreage	3.24	0.98
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0	0.033
tblProjectCharacteristics	CO2IntensityFactor	0	541.32
tblProjectCharacteristics	N2OIntensityFactor	0	0.004
tblTripsAndVMT	HaulingTripNumber	222.00	0.00
tblTripsAndVMT	HaulingTripNumber	1,483.00	0.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	91.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	91.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	5.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00

2.0 Emissions Summary

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.4687	4.9490	6.4364	9.0900e-003	1.0244	0.2614	1.2858	0.1551	0.2404	0.3956	0.0000	880.4839	880.4839	0.2848	0.0000	887.6030
2023	66.9760	10.6506	11.1086	0.0205	1.0244	0.4467	1.2532	0.1551	0.4109	0.4682	0.0000	1,984.8201	1,984.8201	0.6419	0.0000	2,000.8684
Maximum	**66.9760**	**10.6506**	**11.1086**	**0.0205**	**1.0244**	**0.4467**	**1.2858**	**0.1551**	**0.4109**	**0.4682**	**0.0000**	**1,984.8201**	**1,984.8201**	**0.6419**	**0.0000**	**2,000.8684**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.2228	5.0862	6.8682	9.0900e-003	0.3995	0.3564	0.7559	0.0605	0.3564	0.4169	0.0000	880.4839	880.4839	0.2848	0.0000	887.6030
2023	66.9116	10.4672	14.0146	0.0205	0.3995	0.5791	0.7859	0.0605	0.5791	0.6014	0.0000	1,984.8201	1,984.8201	0.6419	0.0000	2,000.8684
Maximum	**66.9116**	**10.4672**	**14.0146**	**0.0205**	**0.3995**	**0.5791**	**0.7859**	**0.0605**	**0.5791**	**0.6014**	**0.0000**	**1,984.8201**	**1,984.8201**	**0.6419**	**0.0000**	**2,000.8684**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.46	0.30	-19.02	0.00	61.00	-32.13	39.27	61.00	-43.62	-17.90	0.00	0.00	0.00	0.00	0.00	0.00

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2019	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Energy	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.0987	42.0987	8.1000e-004	7.7000e-004	42.3489
Mobile	0.8686	0.9330	9.4845	0.0217	2.2773	0.0152	2.2925	0.6066	0.0141	0.6207		2,212.6146	2,212.6146	0.1376	0.0853	2,241.4849
Total	**4.0744**	**0.9683**	**9.5312**	**0.0219**	**2.2773**	**0.0179**	**2.2953**	**0.6066**	**0.0168**	**0.6235**		**2,254.7504**	**2,254.7504**	**0.1385**	**0.0861**	**2,283.8733**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2019	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Energy	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.0987	42.0987	8.1000e-004	7.7000e-004	42.3489
Mobile	0.8686	0.9330	9.4845	0.0217	2.2773	0.0152	2.2925	0.6066	0.0141	0.6207		2,212.6146	2,212.6146	0.1376	0.0853	2,241.4849
Total	**4.0744**	**0.9683**	**9.5312**	**0.0219**	**2.2773**	**0.0179**	**2.2953**	**0.6066**	**0.0168**	**0.6235**		**2,254.7504**	**2,254.7504**	**0.1385**	**0.0861**	**2,283.8733**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2022	1/4/2023	5	47	
2	Site Preparation	Site Preparation	1/5/2023	2/20/2023	5	33	
3	Grading/Excavation	Grading	2/21/2023	4/1/2023	5	29	
4	Drainage/Utilities/Trenching	Grading	4/2/2023	5/1/2023	5	21	
5	Foundations/Concrete Pour	Building Construction	5/2/2023	5/20/2023	5	14	
6	Building Construction	Building Construction	5/21/2023	10/31/2023	5	117	
7	Paving	Paving	8/15/2023	9/15/2023	5	24	
8	Architectural Coating	Architectural Coating	9/16/2023	10/13/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 14.5

Acres of Paving: 1.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 212,976; Non-Residential Outdoor: 70,992; Striped Parking Area: 3,891 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rough Terrain Forklifts	1	8.00	100	0.40
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Demolition	Sweepers/Scrubbers	1	8.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rough Terrain Forklifts	1	8.00	100	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Sweepers/Scrubbers	1	8.00	64	0.46
Site Preparation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading/Excavation	Excavators	1	8.00	158	0.38
Grading/Excavation	Graders	1	8.00	187	0.41
Grading/Excavation	Rough Terrain Forklifts	1	8.00	100	0.40
Grading/Excavation	Rubber Tired Dozers	0	8.00	247	0.40
Grading/Excavation	Sweepers/Scrubbers	1	8.00	64	0.46
Grading/Excavation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Drainage/Utilities/Trenching	Rough Terrain Forklifts	1	8.00	100	0.40
Drainage/Utilities/Trenching	Sweepers/Scrubbers	1	8.00	64	0.46
Foundations/Concrete Pour	Concrete/Industrial Saws	1	8.00	81	0.73
Drainage/Utilities/Trenching	Graders	0	8.00	187	0.41
Foundations/Concrete Pour	Rough Terrain Forklifts	1	8.00	100	0.40
Drainage/Utilities/Trenching	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Drainage/Utilities/Trenching	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Aerial Lifts	2	8.00	63	0.31
Foundations/Concrete Pour	Cranes	0	8.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	7.00	89	0.20
Foundations/Concrete Pour	Generator Sets	0	8.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45
Building Construction	Cranes	0	8.00	231	0.29

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Forklifts	1	7.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	3	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Excavation	5	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Drainage/Utilities/Trenching	3	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundations/Concrete Pour	3	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	2	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0244	0.0000	1.0244	0.1551	0.0000	0.1551			0.0000			0.0000
Off-Road	0.4687	4.9490	6.4364	9.0900e-003		0.2614	0.2614		0.2404	0.2404		880.4839	880.4839	0.2848		887.6030
Total	**0.4687**	**4.9490**	**6.4364**	**9.0900e-003**	**1.0244**	**0.2614**	**1.2858**	**0.1551**	**0.2404**	**0.3956**		**880.4839**	**880.4839**	**0.2848**		**887.6030**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3995	0.0000	0.3995	0.0605	0.0000	0.0605			0.0000			0.0000
Off-Road	0.2228	5.0862	6.8682	9.0900e-003		0.3564	0.3564		0.3564	0.3564	0.0000	880.4839	880.4839	0.2848		887.6030
Total	**0.2228**	**5.0862**	**6.8682**	**9.0900e-003**	**0.3995**	**0.3564**	**0.7559**	**0.0605**	**0.3564**	**0.4169**	**0.0000**	**880.4839**	**880.4839**	**0.2848**		**887.6030**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0244	0.0000	1.0244	0.1551	0.0000	0.1551			0.0000			0.0000
Off-Road	0.4380	4.6316	6.4303	9.1000e-003		0.2288	0.2288		0.2105	0.2105		880.8706	880.8706	0.2849		887.9929
Total	**0.4380**	**4.6316**	**6.4303**	**9.1000e-003**	**1.0244**	**0.2288**	**1.2532**	**0.1551**	**0.2105**	**0.3656**		**880.8706**	**880.8706**	**0.2849**		**887.9929**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3995	0.0000	0.3995	0.0605	0.0000	0.0605			0.0000			0.0000
Off-Road	0.2228	5.0862	6.8682	9.1000e-003		0.3564	0.3564		0.3564	0.3564	0.0000	880.8706	880.8706	0.2849		887.9929
Total	**0.2228**	**5.0862**	**6.8682**	**9.1000e-003**	**0.3995**	**0.3564**	**0.7559**	**0.0605**	**0.3564**	**0.4169**	**0.0000**	**880.8706**	**880.8706**	**0.2849**		**887.9929**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4765	4.6539	7.4636	0.0112		0.2296	0.2296		0.2112	0.2112		1,080.0855	1,080.0855	0.3493		1,088.8185
Total	**0.4765**	**4.6539**	**7.4636**	**0.0112**	**0.0000**	**0.2296**	**0.2296**	**0.0000**	**0.2112**	**0.2112**		**1,080.0855**	**1,080.0855**	**0.3493**		**1,088.8185**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2740	5.8124	8.4495	0.0112		0.3537	0.3537		0.3537	0.3537	0.0000	1,080.0855	1,080.0855	0.3493		1,088.8185
Total	**0.2740**	**5.8124**	**8.4495**	**0.0112**	**0.0000**	**0.3537**	**0.3537**	**0.0000**	**0.3537**	**0.3537**	**0.0000**	**1,080.0855**	**1,080.0855**	**0.3493**		**1,088.8185**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading/Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.9924	10.6506	11.1086	0.0205		0.4467	0.4467		0.4109	0.4109		1,984.8201	1,984.8201	0.6419		2,000.8684
Total	**0.9924**	**10.6506**	**11.1086**	**0.0205**	**0.5303**	**0.4467**	**0.9769**	**0.0573**	**0.4109**	**0.4682**		**1,984.8201**	**1,984.8201**	**0.6419**		**2,000.8684**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading/Excavation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.5028	10.4672	14.0146	0.0205		0.5791	0.5791		0.5791	0.5791	0.0000	1,984.8201	1,984.8201	0.6419		2,000.8684
Total	**0.5028**	**10.4672**	**14.0146**	**0.0205**	**0.2068**	**0.5791**	**0.7859**	**0.0223**	**0.5791**	**0.6014**	**0.0000**	**1,984.8201**	**1,984.8201**	**0.6419**		**2,000.8684**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Drainage/Utilities/Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4203	4.4490	6.1583	8.7200e-003		0.2201	0.2201		0.2025	0.2025		843.8593	843.8593	0.2729		850.6823
Total	**0.4203**	**4.4490**	**6.1583**	**8.7200e-003**	**0.0000**	**0.2201**	**0.2201**	**0.0000**	**0.2025**	**0.2025**		**843.8593**	**843.8593**	**0.2729**		**850.6823**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Drainage/Utilities/Trenching - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2134	4.8733	6.5807	8.7200e-003		0.3415	0.3415		0.3415	0.3415	0.0000	843.8593	843.8593	0.2729		850.6823
Total	**0.2134**	**4.8733**	**6.5807**	**8.7200e-003**	**0.0000**	**0.3415**	**0.3415**	**0.0000**	**0.3415**	**0.3415**	**0.0000**	**843.8593**	**843.8593**	**0.2729**		**850.6823**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5530	5.1354	7.6181	0.0120		0.2301	0.2301		0.2219	0.2219		1,152.6515	1,152.6515	0.2103		1,157.9093
Total	**0.5530**	**5.1354**	**7.6181**	**0.0120**		**0.2301**	**0.2301**		**0.2219**	**0.2219**		**1,152.6515**	**1,152.6515**	**0.2103**		**1,157.9093**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Foundations/Concrete Pour - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2668	6.0913	8.2255	0.0120		0.4268	0.4268		0.4268	0.4268	0.0000	1,152.6515	1,152.6515	0.2103		1,157.9093
Total	**0.2668**	**6.0913**	**8.2255**	**0.0120**		**0.4268**	**0.4268**		**0.4268**	**0.4268**	**0.0000**	**1,152.6515**	**1,152.6515**	**0.2103**		**1,157.9093**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1955	2.2391	3.2890	4.7900e-003		0.0968	0.0968		0.0891	0.0891		463.3304	463.3304	0.1499		467.0767
Total	**0.1955**	**2.2391**	**3.2890**	**4.7900e-003**		**0.0968**	**0.0968**		**0.0891**	**0.0891**		**463.3304**	**463.3304**	**0.1499**		**467.0767**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1176	2.6857	3.6267	4.7900e-003		0.1882	0.1882		0.1882	0.1882	0.0000	463.3304	463.3304	0.1499		467.0767
Total	**0.1176**	**2.6857**	**3.6267**	**4.7900e-003**		**0.1882**	**0.1882**		**0.1882**	**0.1882**	**0.0000**	**463.3304**	**463.3304**	**0.1499**		**467.0767**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3627	3.4857	5.4399	8.7800e-003		0.1665	0.1665		0.1532	0.1532		849.6844	849.6844	0.2748		856.5545
Paving	0.1616					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5242**	**3.4857**	**5.4399**	**8.7800e-003**		**0.1665**	**0.1665**		**0.1532**	**0.1532**		**849.6844**	**849.6844**	**0.2748**		**856.5545**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2161	4.1785	6.6640	8.7800e-003		0.2017	0.2017		0.2017	0.2017	0.0000	849.6844	849.6844	0.2748		856.5545
Paving	0.1616					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3777**	**4.1785**	**6.6640**	**8.7800e-003**		**0.2017**	**0.2017**		**0.2017**	**0.2017**	**0.0000**	**849.6844**	**849.6844**	**0.2748**		**856.5545**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	66.7113					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0692	1.0665	2.1840	3.3600e-003		0.0184	0.0184		0.0170	0.0170		325.2397	325.2397	0.1052		327.8694
Total	**66.7806**	**1.0665**	**2.1840**	**3.3600e-003**		**0.0184**	**0.0184**		**0.0170**	**0.0170**		**325.2397**	**325.2397**	**0.1052**		**327.8694**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	66.7113					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0827	1.8876	2.5489	3.3600e-003		0.1323	0.1323		0.1323	0.1323	0.0000	325.2397	325.2397	0.1052		327.8694
Total	**66.7940**	**1.8876**	**2.5489**	**3.3600e-003**		**0.1323**	**0.1323**		**0.1323**	**0.1323**	**0.0000**	**325.2397**	**325.2397**	**0.1052**		**327.8694**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8686	0.9330	9.4845	0.0217	2.2773	0.0152	2.2925	0.6066	0.0141	0.6207		2,212.6146	2,212.6146	0.1376	0.0853	2,241.4849
Unmitigated	0.8686	0.9330	9.4845	0.0217	2.2773	0.0152	2.2925	0.6066	0.0141	0.6207		2,212.6146	2,212.6146	0.1376	0.0853	2,241.4849

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.17	0.43	0.48	728	728
General Office Building	8.77	1.99	0.63	21,376	21,376
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	245.48	245.48	245.48	1,052,054	1,052,054
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	254.42	247.90	246.59	1,074,159	1,074,159

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
General Office Building	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Unrefrigerated Warehouse-No Rail	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Other Asphalt Surfaces	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.0987	42.0987	8.1000e-004	7.7000e-004	42.3489
NaturalGas Unmitigated	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.0987	42.0987	8.1000e-004	7.7000e-004	42.3489

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	25.4219	2.7000e-004	2.4900e-003	2.0900e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		2.9908	2.9908	6.0000e-005	5.0000e-005	3.0086
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	332.417	3.5800e-003	0.0326	0.0274	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003		39.1079	39.1079	7.5000e-004	7.2000e-004	39.3403
Total		**3.8500e-003**	**0.0351**	**0.0295**	**2.1000e-004**		**2.6700e-003**	**2.6700e-003**		**2.6700e-003**	**2.6700e-003**		**42.0987**	**42.0987**	**8.1000e-004**	**7.7000e-004**	**42.3489**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.0254219	2.7000e-004	2.4900e-003	2.0900e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		2.9908	2.9908	6.0000e-005	5.0000e-005	3.0086
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.332417	3.5800e-003	0.0326	0.0274	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003		39.1079	39.1079	7.5000e-004	7.2000e-004	39.3403
Total		**3.8500e-003**	**0.0351**	**0.0295**	**2.1000e-004**		**2.6700e-003**	**2.6700e-003**		**2.6700e-003**	**2.6700e-003**		**42.0987**	**42.0987**	**8.1000e-004**	**7.7000e-004**	**42.3489**

6.0 Area Detail

6.1 Mitigation Measures Area

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2019	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Unmitigated	3.2019	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5900e-003	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Total	**3.2019**	**1.6000e-004**	**0.0173**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0371**	**0.0371**	**1.0000e-004**		**0.0395**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5900e-003	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Total	**3.2019**	**1.6000e-004**	**0.0173**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0371**	**0.0371**	**1.0000e-004**		**0.0395**

7.0 Water Detail

7.1 Mitigation Measures Water

Covina Public Storage Project - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Covina Public Storage Project

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.90	1000sqft	0.02	900.00	0
Unrefrigerated Warehouse-No Rail	141.08	1000sqft	0.98	141,084.00	0
Parking Lot	26.00	Space	0.23	10,400.00	0
City Park	0.22	Acre	0.22	9,781.00	0
Other Asphalt Surfaces	1.25	Acre	1.25	54,450.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	541.32	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity adjusted for 2022 const start date per 2020 Power Content Label

Land Use - 2.7 acre site

Construction Phase - per client

Off-road Equipment - per client

Off-road Equipment - per client

Off-road Equipment - per client

Off-road Equipment - per client

Off-road Equipment - per client

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Off-road Equipment - per client

Off-road Equipment - per client

Off-road Equipment - per client

Trips and VMT - mobile calc separately

Demolition - per client

Grading - 8000 cy export

Vehicle Trips - mobile counted separately

Woodstoves - construction only run

Construction Off-road Equipment Mitigation - Tier 3

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	220.00	14.00
tblConstructionPhase	NumDays	220.00	117.00
tblConstructionPhase	NumDays	20.00	47.00
tblConstructionPhase	NumDays	6.00	29.00
tblConstructionPhase	NumDays	6.00	21.00
tblConstructionPhase	NumDays	10.00	24.00
tblConstructionPhase	NumDays	3.00	33.00
tblConstructionPhase	PhaseEndDate	9/23/2024	10/13/2023
tblConstructionPhase	PhaseEndDate	10/23/2023	5/20/2023
tblConstructionPhase	PhaseEndDate	8/26/2024	10/31/2023
tblConstructionPhase	PhaseEndDate	11/28/2022	1/4/2023
tblConstructionPhase	PhaseEndDate	12/9/2022	4/1/2023
tblConstructionPhase	PhaseEndDate	12/19/2022	5/1/2023
tblConstructionPhase	PhaseEndDate	9/9/2024	9/15/2023
tblConstructionPhase	PhaseEndDate	12/1/2022	2/20/2023
tblConstructionPhase	PhaseStartDate	9/10/2024	9/16/2023
tblConstructionPhase	PhaseStartDate	12/20/2022	5/2/2023
tblConstructionPhase	PhaseStartDate	10/24/2023	5/21/2023

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	PhaseStartDate	12/2/2022	2/21/2023
tblConstructionPhase	PhaseStartDate	12/10/2022	4/2/2023
tblConstructionPhase	PhaseStartDate	8/27/2024	8/15/2023
tblConstructionPhase	PhaseStartDate	11/29/2022	1/5/2023
tblGrading	MaterialExported	0.00	11,500.00
tblGrading	MaterialImported	0.00	3,500.00
tblLandUse	LandUseSquareFeet	141,080.00	141,084.00
tblLandUse	LandUseSquareFeet	9,583.20	9,781.00
tblLandUse	LotAcreage	3.24	0.98
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	LoadFactor	0.46	0.46
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Sweepers/Scrubbers
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Rough Terrain Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0	0.033
tblProjectCharacteristics	CO2IntensityFactor	0	541.32
tblProjectCharacteristics	N2OIntensityFactor	0	0.004
tblTripsAndVMT	HaulingTripNumber	222.00	0.00
tblTripsAndVMT	HaulingTripNumber	1,483.00	0.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	VendorTripNumber	36.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	91.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	91.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	5.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00

2.0 Emissions Summary

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.4687	4.9490	6.4364	9.0900e-003	1.0244	0.2614	1.2858	0.1551	0.2404	0.3956	0.0000	880.4839	880.4839	0.2848	0.0000	887.6030
2023	66.9760	10.6506	11.1086	0.0205	1.0244	0.4467	1.2532	0.1551	0.4109	0.4682	0.0000	1,984.8201	1,984.8201	0.6419	0.0000	2,000.8684
Maximum	**66.9760**	**10.6506**	**11.1086**	**0.0205**	**1.0244**	**0.4467**	**1.2858**	**0.1551**	**0.4109**	**0.4682**	**0.0000**	**1,984.8201**	**1,984.8201**	**0.6419**	**0.0000**	**2,000.8684**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.2228	5.0862	6.8682	9.0900e-003	0.3995	0.3564	0.7559	0.0605	0.3564	0.4169	0.0000	880.4839	880.4839	0.2848	0.0000	887.6030
2023	66.9116	10.4672	14.0146	0.0205	0.3995	0.5791	0.7859	0.0605	0.5791	0.6014	0.0000	1,984.8201	1,984.8201	0.6419	0.0000	2,000.8684
Maximum	**66.9116**	**10.4672**	**14.0146**	**0.0205**	**0.3995**	**0.5791**	**0.7859**	**0.0605**	**0.5791**	**0.6014**	**0.0000**	**1,984.8201**	**1,984.8201**	**0.6419**	**0.0000**	**2,000.8684**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.46	0.30	-19.02	0.00	61.00	-32.13	39.27	61.00	-43.62	-17.90	0.00	0.00	0.00	0.00	0.00	0.00

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2019	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Energy	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.0987	42.0987	8.1000e-004	7.7000e-004	42.3489
Mobile	0.8562	1.0074	9.2124	0.0208	2.2773	0.0152	2.2925	0.6066	0.0141	0.6207		2,118.3833	2,118.3833	0.1407	0.0890	2,148.4310
Total	**4.0620**	**1.0427**	**9.2591**	**0.0210**	**2.2773**	**0.0179**	**2.2953**	**0.6066**	**0.0169**	**0.6235**		**2,160.5191**	**2,160.5191**	**0.1416**	**0.0898**	**2,190.8194**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2019	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Energy	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.0987	42.0987	8.1000e-004	7.7000e-004	42.3489
Mobile	0.8562	1.0074	9.2124	0.0208	2.2773	0.0152	2.2925	0.6066	0.0141	0.6207		2,118.3833	2,118.3833	0.1407	0.0890	2,148.4310
Total	**4.0620**	**1.0427**	**9.2591**	**0.0210**	**2.2773**	**0.0179**	**2.2953**	**0.6066**	**0.0169**	**0.6235**		**2,160.5191**	**2,160.5191**	**0.1416**	**0.0898**	**2,190.8194**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2022	1/4/2023	5	47	
2	Site Preparation	Site Preparation	1/5/2023	2/20/2023	5	33	
3	Grading/Excavation	Grading	2/21/2023	4/1/2023	5	29	
4	Drainage/Utilities/Trenching	Grading	4/2/2023	5/1/2023	5	21	
5	Foundations/Concrete Pour	Building Construction	5/2/2023	5/20/2023	5	14	
6	Building Construction	Building Construction	5/21/2023	10/31/2023	5	117	
7	Paving	Paving	8/15/2023	9/15/2023	5	24	
8	Architectural Coating	Architectural Coating	9/16/2023	10/13/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 14.5

Acres of Paving: 1.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 212,976; Non-Residential Outdoor: 70,992; Striped Parking Area: 3,891 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rough Terrain Forklifts	1	8.00	100	0.40
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Demolition	Sweepers/Scrubbers	1	8.00	64	0.46
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rough Terrain Forklifts	1	8.00	100	0.40
Site Preparation	Scrapers	0	8.00	367	0.48
Site Preparation	Sweepers/Scrubbers	1	8.00	64	0.46
Site Preparation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading/Excavation	Excavators	1	8.00	158	0.38
Grading/Excavation	Graders	1	8.00	187	0.41
Grading/Excavation	Rough Terrain Forklifts	1	8.00	100	0.40
Grading/Excavation	Rubber Tired Dozers	0	8.00	247	0.40
Grading/Excavation	Sweepers/Scrubbers	1	8.00	64	0.46
Grading/Excavation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Drainage/Utilities/Trenching	Rough Terrain Forklifts	1	8.00	100	0.40
Drainage/Utilities/Trenching	Sweepers/Scrubbers	1	8.00	64	0.46
Foundations/Concrete Pour	Concrete/Industrial Saws	1	8.00	81	0.73
Drainage/Utilities/Trenching	Graders	0	8.00	187	0.41
Foundations/Concrete Pour	Rough Terrain Forklifts	1	8.00	100	0.40
Drainage/Utilities/Trenching	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Drainage/Utilities/Trenching	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Aerial Lifts	2	8.00	63	0.31
Foundations/Concrete Pour	Cranes	0	8.00	231	0.29
Foundations/Concrete Pour	Forklifts	0	7.00	89	0.20
Foundations/Concrete Pour	Generator Sets	0	8.00	84	0.74
Foundations/Concrete Pour	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Foundations/Concrete Pour	Welders	0	8.00	46	0.45
Building Construction	Cranes	0	8.00	231	0.29

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Building Construction	Forklifts	1	7.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	3	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading/Excavation	5	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Drainage/Utilities/Trenching	3	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundations/Concrete Pour	3	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	2	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	2	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0244	0.0000	1.0244	0.1551	0.0000	0.1551			0.0000			0.0000
Off-Road	0.4687	4.9490	6.4364	9.0900e-003		0.2614	0.2614		0.2404	0.2404		880.4839	880.4839	0.2848		887.6030
Total	**0.4687**	**4.9490**	**6.4364**	**9.0900e-003**	**1.0244**	**0.2614**	**1.2858**	**0.1551**	**0.2404**	**0.3956**		**880.4839**	**880.4839**	**0.2848**		**887.6030**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3995	0.0000	0.3995	0.0605	0.0000	0.0605			0.0000			0.0000
Off-Road	0.2228	5.0862	6.8682	9.0900e-003		0.3564	0.3564		0.3564	0.3564	0.0000	880.4839	880.4839	0.2848		887.6030
Total	**0.2228**	**5.0862**	**6.8682**	**9.0900e-003**	**0.3995**	**0.3564**	**0.7559**	**0.0605**	**0.3564**	**0.4169**	**0.0000**	**880.4839**	**880.4839**	**0.2848**		**887.6030**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0244	0.0000	1.0244	0.1551	0.0000	0.1551			0.0000			0.0000
Off-Road	0.4380	4.6316	6.4303	9.1000e-003		0.2288	0.2288		0.2105	0.2105		880.8706	880.8706	0.2849		887.9929
Total	**0.4380**	**4.6316**	**6.4303**	**9.1000e-003**	**1.0244**	**0.2288**	**1.2532**	**0.1551**	**0.2105**	**0.3656**		**880.8706**	**880.8706**	**0.2849**		**887.9929**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3995	0.0000	0.3995	0.0605	0.0000	0.0605			0.0000			0.0000
Off-Road	0.2228	5.0862	6.8682	9.1000e-003		0.3564	0.3564		0.3564	0.3564	0.0000	880.8706	880.8706	0.2849		887.9929
Total	**0.2228**	**5.0862**	**6.8682**	**9.1000e-003**	**0.3995**	**0.3564**	**0.7559**	**0.0605**	**0.3564**	**0.4169**	**0.0000**	**880.8706**	**880.8706**	**0.2849**		**887.9929**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4765	4.6539	7.4636	0.0112		0.2296	0.2296		0.2112	0.2112		1,080.0855	1,080.0855	0.3493		1,088.8185
Total	**0.4765**	**4.6539**	**7.4636**	**0.0112**	**0.0000**	**0.2296**	**0.2296**	**0.0000**	**0.2112**	**0.2112**		**1,080.0855**	**1,080.0855**	**0.3493**		**1,088.8185**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2740	5.8124	8.4495	0.0112		0.3537	0.3537		0.3537	0.3537	0.0000	1,080.0855	1,080.0855	0.3493		1,088.8185
Total	**0.2740**	**5.8124**	**8.4495**	**0.0112**	**0.0000**	**0.3537**	**0.3537**	**0.0000**	**0.3537**	**0.3537**	**0.0000**	**1,080.0855**	**1,080.0855**	**0.3493**		**1,088.8185**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading/Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.9924	10.6506	11.1086	0.0205		0.4467	0.4467		0.4109	0.4109		1,984.8201	1,984.8201	0.6419		2,000.8684
Total	**0.9924**	**10.6506**	**11.1086**	**0.0205**	**0.5303**	**0.4467**	**0.9769**	**0.0573**	**0.4109**	**0.4682**		**1,984.8201**	**1,984.8201**	**0.6419**		**2,000.8684**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading/Excavation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.5028	10.4672	14.0146	0.0205		0.5791	0.5791		0.5791	0.5791	0.0000	1,984.8201	1,984.8201	0.6419		2,000.8684
Total	**0.5028**	**10.4672**	**14.0146**	**0.0205**	**0.2068**	**0.5791**	**0.7859**	**0.0223**	**0.5791**	**0.6014**	**0.0000**	**1,984.8201**	**1,984.8201**	**0.6419**		**2,000.8684**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Drainage/Utilities/Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4203	4.4490	6.1583	8.7200e-003		0.2201	0.2201		0.2025	0.2025		843.8593	843.8593	0.2729		850.6823
Total	**0.4203**	**4.4490**	**6.1583**	**8.7200e-003**	**0.0000**	**0.2201**	**0.2201**	**0.0000**	**0.2025**	**0.2025**		**843.8593**	**843.8593**	**0.2729**		**850.6823**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Drainage/Utilities/Trenching - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2134	4.8733	6.5807	8.7200e-003		0.3415	0.3415		0.3415	0.3415	0.0000	843.8593	843.8593	0.2729		850.6823
Total	**0.2134**	**4.8733**	**6.5807**	**8.7200e-003**	**0.0000**	**0.3415**	**0.3415**	**0.0000**	**0.3415**	**0.3415**	**0.0000**	**843.8593**	**843.8593**	**0.2729**		**850.6823**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Foundations/Concrete Pour - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5530	5.1354	7.6181	0.0120		0.2301	0.2301		0.2219	0.2219		1,152.6515	1,152.6515	0.2103		1,157.9093
Total	**0.5530**	**5.1354**	**7.6181**	**0.0120**		**0.2301**	**0.2301**		**0.2219**	**0.2219**		**1,152.6515**	**1,152.6515**	**0.2103**		**1,157.9093**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Foundations/Concrete Pour - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2668	6.0913	8.2255	0.0120		0.4268	0.4268		0.4268	0.4268	0.0000	1,152.6515	1,152.6515	0.2103		1,157.9093
Total	**0.2668**	**6.0913**	**8.2255**	**0.0120**		**0.4268**	**0.4268**		**0.4268**	**0.4268**	**0.0000**	**1,152.6515**	**1,152.6515**	**0.2103**		**1,157.9093**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1955	2.2391	3.2890	4.7900e-003		0.0968	0.0968		0.0891	0.0891		463.3304	463.3304	0.1499		467.0767
Total	**0.1955**	**2.2391**	**3.2890**	**4.7900e-003**		**0.0968**	**0.0968**		**0.0891**	**0.0891**		**463.3304**	**463.3304**	**0.1499**		**467.0767**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1176	2.6857	3.6267	4.7900e-003		0.1882	0.1882		0.1882	0.1882	0.0000	463.3304	463.3304	0.1499		467.0767
Total	**0.1176**	**2.6857**	**3.6267**	**4.7900e-003**		**0.1882**	**0.1882**		**0.1882**	**0.1882**	**0.0000**	**463.3304**	**463.3304**	**0.1499**		**467.0767**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3627	3.4857	5.4399	8.7800e-003		0.1665	0.1665		0.1532	0.1532		849.6844	849.6844	0.2748		856.5545
Paving	0.1616					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5242**	**3.4857**	**5.4399**	**8.7800e-003**		**0.1665**	**0.1665**		**0.1532**	**0.1532**		**849.6844**	**849.6844**	**0.2748**		**856.5545**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2161	4.1785	6.6640	8.7800e-003		0.2017	0.2017		0.2017	0.2017	0.0000	849.6844	849.6844	0.2748		856.5545
Paving	0.1616					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3777**	**4.1785**	**6.6640**	**8.7800e-003**		**0.2017**	**0.2017**		**0.2017**	**0.2017**	**0.0000**	**849.6844**	**849.6844**	**0.2748**		**856.5545**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	66.7113					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0692	1.0665	2.1840	3.3600e-003		0.0184	0.0184		0.0170	0.0170		325.2397	325.2397	0.1052		327.8694
Total	**66.7806**	**1.0665**	**2.1840**	**3.3600e-003**		**0.0184**	**0.0184**		**0.0170**	**0.0170**		**325.2397**	**325.2397**	**0.1052**		**327.8694**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	66.7113					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0827	1.8876	2.5489	3.3600e-003		0.1323	0.1323		0.1323	0.1323	0.0000	325.2397	325.2397	0.1052		327.8694
Total	**66.7940**	**1.8876**	**2.5489**	**3.3600e-003**		**0.1323**	**0.1323**		**0.1323**	**0.1323**	**0.0000**	**325.2397**	**325.2397**	**0.1052**		**327.8694**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8562	1.0074	9.2124	0.0208	2.2773	0.0152	2.2925	0.6066	0.0141	0.6207		2,118.3833	2,118.3833	0.1407	0.0890	2,148.4310
Unmitigated	0.8562	1.0074	9.2124	0.0208	2.2773	0.0152	2.2925	0.6066	0.0141	0.6207		2,118.3833	2,118.3833	0.1407	0.0890	2,148.4310

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.17	0.43	0.48	728	728
General Office Building	8.77	1.99	0.63	21,376	21,376
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	245.48	245.48	245.48	1,052,054	1,052,054
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	254.42	247.90	246.59	1,074,159	1,074,159

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
General Office Building	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Unrefrigerated Warehouse-No Rail	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Other Asphalt Surfaces	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Covina Public Storage Project - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.0987	42.0987	8.1000e-004	7.7000e-004	42.3489
NaturalGas Unmitigated	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.0987	42.0987	8.1000e-004	7.7000e-004	42.3489

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	25.4219	2.7000e-004	2.4900e-003	2.0900e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		2.9908	2.9908	6.0000e-005	5.0000e-005	3.0086
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	332.417	3.5800e-003	0.0326	0.0274	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003		39.1079	39.1079	7.5000e-004	7.2000e-004	39.3403
Total		**3.8500e-003**	**0.0351**	**0.0295**	**2.1000e-004**		**2.6700e-003**	**2.6700e-003**		**2.6700e-003**	**2.6700e-003**		**42.0987**	**42.0987**	**8.1000e-004**	**7.7000e-004**	**42.3489**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.0254219	2.7000e-004	2.4900e-003	2.0900e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		2.9908	2.9908	6.0000e-005	5.0000e-005	3.0086
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.332417	3.5800e-003	0.0326	0.0274	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003		39.1079	39.1079	7.5000e-004	7.2000e-004	39.3403
Total		**3.8500e-003**	**0.0351**	**0.0295**	**2.1000e-004**		**2.6700e-003**	**2.6700e-003**		**2.6700e-003**	**2.6700e-003**		**42.0987**	**42.0987**	**8.1000e-004**	**7.7000e-004**	**42.3489**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2019	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Unmitigated	3.2019	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5900e-003	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Total	**3.2019**	**1.6000e-004**	**0.0173**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0371**	**0.0371**	**1.0000e-004**		**0.0395**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5900e-003	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Total	**3.2019**	**1.6000e-004**	**0.0173**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0371**	**0.0371**	**1.0000e-004**		**0.0395**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Covina Public Storage Operations Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Covina Public Storage Operations Only

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.90	1000sqft	0.02	900.00	0
Unrefrigerated Warehouse-No Rail	141.08	1000sqft	0.98	141,084.00	0
Parking Lot	26.00	Space	0.23	10,400.00	0
City Park	0.22	Acre	0.22	9,781.00	0
Other Asphalt Surfaces	1.25	Acre	1.25	54,450.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	484.63	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2024 CO2 intensity

Land Use - 2.7 acre site

Construction Phase - no construction

Vehicle Trips - mobile calculated separately

Road Dust - no mobile

Consumer Products - default

Area Coating - default

Covina Public Storage Operations Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Landscape Equipment - default

Energy Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	141,080.00	141,084.00
tblLandUse	LandUseSquareFeet	9,583.20	9,781.00
tblLandUse	LotAcreage	3.24	0.98
tblProjectCharacteristics	CH4IntensityFactor	0	0.033
tblProjectCharacteristics	CO2IntensityFactor	0	484.63
tblProjectCharacteristics	N2OIntensityFactor	0	0.004
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00

2.0 Emissions Summary

Covina Public Storage Operations Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0410	0.3665	0.3263	6.6000e-004	0.0347	0.0170	0.0517	0.0135	0.0159	0.0294	0.0000	58.1735	58.1735	0.0116	9.5000e-004	58.7472
2023	0.8844	1.6186	1.9035	4.2600e-003	0.1273	0.0668	0.1941	0.0343	0.0639	0.0982	0.0000	371.8178	371.8178	0.0472	0.0118	376.5184
Maximum	**0.8844**	**1.6186**	**1.9035**	**4.2600e-003**	**0.1273**	**0.0668**	**0.1941**	**0.0343**	**0.0639**	**0.0982**	**0.0000**	**371.8178**	**371.8178**	**0.0472**	**0.0118**	**376.5184**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0410	0.3665	0.3263	6.6000e-004	0.0347	0.0170	0.0517	0.0135	0.0159	0.0294	0.0000	58.1735	58.1735	0.0116	9.5000e-004	58.7471
2023	0.8844	1.6186	1.9035	4.2600e-003	0.1273	0.0668	0.1941	0.0343	0.0639	0.0982	0.0000	371.8175	371.8175	0.0472	0.0118	376.5182
Maximum	**0.8844**	**1.6186**	**1.9035**	**4.2600e-003**	**0.1273**	**0.0668**	**0.1941**	**0.0343**	**0.0639**	**0.0982**	**0.0000**	**371.8175**	**371.8175**	**0.0472**	**0.0118**	**376.5182**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**11-1-2022**	**1-31-2023**	0.5965	0.5965
2	**2-1-2023**	**4-30-2023**	0.5507	0.5507
3	**5-1-2023**	**7-31-2023**	0.5670	0.5670
4	**8-1-2023**	**9-30-2023**	0.3759	0.3759
		Highest	0.5965	0.5965

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5843	2.0000e-005	2.1600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.2100e-003	4.2100e-003	1.0000e-005	0.0000	4.4800e-003
Energy	7.0000e-004	6.4000e-003	5.3800e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	129.0256	129.0256	8.4400e-003	1.1400e-003	129.5750
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	27.0952	0.0000	27.0952	1.6013	0.0000	67.1273
Water						0.0000	0.0000		0.0000	0.0000	10.4011	94.7204	105.1215	1.0747	0.0260	139.7399
Total	**0.5850**	**6.4200e-003**	**7.5400e-003**	**4.0000e-005**	**0.0000**	**5.0000e-004**	**5.0000e-004**	**0.0000**	**5.0000e-004**	**5.0000e-004**	**37.4963**	**223.7503**	**261.2466**	**2.6845**	**0.0272**	**336.4467**

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5843	2.0000e-005	2.1600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.2100e-003	4.2100e-003	1.0000e-005	0.0000	4.4800e-003
Energy	7.0000e-004	6.4000e-003	5.3800e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	129.0256	129.0256	8.4400e-003	1.1400e-003	129.5750
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	27.0952	0.0000	27.0952	1.6013	0.0000	67.1273
Water						0.0000	0.0000		0.0000	0.0000	10.4011	94.7204	105.1215	1.0747	0.0260	139.7399
Total	**0.5850**	**6.4200e-003**	**7.5400e-003**	**4.0000e-005**	**0.0000**	**5.0000e-004**	**5.0000e-004**	**0.0000**	**5.0000e-004**	**5.0000e-004**	**37.4963**	**223.7503**	**261.2466**	**2.6845**	**0.0272**	**336.4467**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2022	11/28/2022	5	20	
2	Site Preparation	Site Preparation	11/29/2022	12/1/2022	5	3	
3	Grading	Grading	12/2/2022	12/9/2022	5	6	

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4	Building Construction	Building Construction	12/10/2022	10/13/2023	5	220	
5	Paving	Paving	10/14/2023	10/27/2023	5	10	
6	Architectural Coating	Architectural Coating	10/28/2023	11/10/2023	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 6

Acres of Paving: 1.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 212,976; Non-Residential Outdoor: 70,992; Striped Parking Area: 3,891 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36

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Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	91.00	36.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0169	0.1662	0.1396	2.4000e-004		8.3800e-003	8.3800e-003		7.8300e-003	7.8300e-003	0.0000	21.0777	21.0777	5.3700e-003	0.0000	21.2120
Total	**0.0169**	**0.1662**	**0.1396**	**2.4000e-004**		**8.3800e-003**	**8.3800e-003**		**7.8300e-003**	**7.8300e-003**	**0.0000**	**21.0777**	**21.0777**	**5.3700e-003**	**0.0000**	**21.2120**

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3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.7000e-004	4.8200e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1716	1.1716	3.0000e-005	3.0000e-005	1.1820
Total	**4.5000e-004**	**3.7000e-004**	**4.8200e-003**	**1.0000e-005**	**1.4200e-003**	**1.0000e-005**	**1.4300e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**	**0.0000**	**1.1716**	**1.1716**	**3.0000e-005**	**3.0000e-005**	**1.1820**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0169	0.1662	0.1396	2.4000e-004		8.3800e-003	8.3800e-003		7.8300e-003	7.8300e-003	0.0000	21.0777	21.0777	5.3700e-003	0.0000	21.2119
Total	**0.0169**	**0.1662**	**0.1396**	**2.4000e-004**		**8.3800e-003**	**8.3800e-003**		**7.8300e-003**	**7.8300e-003**	**0.0000**	**21.0777**	**21.0777**	**5.3700e-003**	**0.0000**	**21.2119**

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3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.7000e-004	4.8200e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1716	1.1716	3.0000e-005	3.0000e-005	1.1820
Total	**4.5000e-004**	**3.7000e-004**	**4.8200e-003**	**1.0000e-005**	**1.4200e-003**	**1.0000e-005**	**1.4300e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**	**0.0000**	**1.1716**	**1.1716**	**3.0000e-005**	**3.0000e-005**	**1.1820**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0700e-003	0.0235	0.0151	4.0000e-005		8.9000e-004	8.9000e-004		8.2000e-004	8.2000e-004	0.0000	3.2321	3.2321	1.0500e-003	0.0000	3.2582
Total	**2.0700e-003**	**0.0235**	**0.0151**	**4.0000e-005**	**2.3900e-003**	**8.9000e-004**	**3.2800e-003**	**2.6000e-004**	**8.2000e-004**	**1.0800e-003**	**0.0000**	**3.2321**	**3.2321**	**1.0500e-003**	**0.0000**	**3.2582**

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3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.4000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.1082	0.1082	0.0000	0.0000	0.1091
Total	**4.0000e-005**	**3.0000e-005**	**4.4000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**3.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1082**	**0.1082**	**0.0000**	**0.0000**	**0.1091**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0700e-003	0.0235	0.0151	4.0000e-005		8.9000e-004	8.9000e-004		8.2000e-004	8.2000e-004	0.0000	3.2321	3.2321	1.0500e-003	0.0000	3.2582
Total	**2.0700e-003**	**0.0235**	**0.0151**	**4.0000e-005**	**2.3900e-003**	**8.9000e-004**	**3.2800e-003**	**2.6000e-004**	**8.2000e-004**	**1.0800e-003**	**0.0000**	**3.2321**	**3.2321**	**1.0500e-003**	**0.0000**	**3.2582**

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3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.4000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.1082	0.1082	0.0000	0.0000	0.1091
Total	**4.0000e-005**	**3.0000e-005**	**4.4000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**3.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1082**	**0.1082**	**0.0000**	**0.0000**	**0.1091**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0213	0.0000	0.0213	0.0103	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6200e-003	0.0510	0.0277	6.0000e-005		2.2300e-003	2.2300e-003		2.0500e-003	2.0500e-003	0.0000	5.4308	5.4308	1.7600e-003	0.0000	5.4747
Total	**4.6200e-003**	**0.0510**	**0.0277**	**6.0000e-005**	**0.0213**	**2.2300e-003**	**0.0235**	**0.0103**	**2.0500e-003**	**0.0123**	**0.0000**	**5.4308**	**5.4308**	**1.7600e-003**	**0.0000**	**5.4747**

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3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	9.0000e-005	1.1100e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2704	0.2704	1.0000e-005	1.0000e-005	0.2728
Total	**1.0000e-004**	**9.0000e-005**	**1.1100e-003**	**0.0000**	**3.3000e-004**	**0.0000**	**3.3000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2704**	**0.2704**	**1.0000e-005**	**1.0000e-005**	**0.2728**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0213	0.0000	0.0213	0.0103	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6200e-003	0.0510	0.0277	6.0000e-005		2.2300e-003	2.2300e-003		2.0500e-003	2.0500e-003	0.0000	5.4308	5.4308	1.7600e-003	0.0000	5.4747
Total	**4.6200e-003**	**0.0510**	**0.0277**	**6.0000e-005**	**0.0213**	**2.2300e-003**	**0.0235**	**0.0103**	**2.0500e-003**	**0.0123**	**0.0000**	**5.4308**	**5.4308**	**1.7600e-003**	**0.0000**	**5.4747**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	9.0000e-005	1.1100e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2704	0.2704	1.0000e-005	1.0000e-005	0.2728
Total	**1.0000e-004**	**9.0000e-005**	**1.1100e-003**	**0.0000**	**3.3000e-004**	**0.0000**	**3.3000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2704**	**0.2704**	**1.0000e-005**	**1.0000e-005**	**0.2728**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0139	0.1095	0.1077	1.9000e-004		5.2700e-003	5.2700e-003		5.0500e-003	5.0500e-003	0.0000	15.5760	15.5760	3.0100e-003	0.0000	15.6511
Total	**0.0139**	**0.1095**	**0.1077**	**1.9000e-004**		**5.2700e-003**	**5.2700e-003**		**5.0500e-003**	**5.0500e-003**	**0.0000**	**15.5760**	**15.5760**	**3.0100e-003**	**0.0000**	**15.6511**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3000e-004	0.0139	4.6000e-003	5.0000e-005	1.7000e-003	1.3000e-004	1.8300e-003	4.9000e-004	1.2000e-004	6.1000e-004	0.0000	5.1559	5.1559	1.7000e-004	7.4000e-004	5.3818
Worker	2.3400e-003	1.9500e-003	0.0253	7.0000e-005	7.4800e-003	5.0000e-005	7.5300e-003	1.9900e-003	4.0000e-005	2.0300e-003	0.0000	6.1510	6.1510	1.8000e-004	1.7000e-004	6.2055
Total	**2.8700e-003**	**0.0158**	**0.0299**	**1.2000e-004**	**9.1800e-003**	**1.8000e-004**	**9.3600e-003**	**2.4800e-003**	**1.6000e-004**	**2.6400e-003**	**0.0000**	**11.3068**	**11.3068**	**3.5000e-004**	**9.1000e-004**	**11.5873**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0139	0.1095	0.1077	1.9000e-004		5.2700e-003	5.2700e-003		5.0500e-003	5.0500e-003	0.0000	15.5760	15.5760	3.0100e-003	0.0000	15.6511
Total	**0.0139**	**0.1095**	**0.1077**	**1.9000e-004**		**5.2700e-003**	**5.2700e-003**		**5.0500e-003**	**5.0500e-003**	**0.0000**	**15.5760**	**15.5760**	**3.0100e-003**	**0.0000**	**15.6511**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3000e-004	0.0139	4.6000e-003	5.0000e-005	1.7000e-003	1.3000e-004	1.8300e-003	4.9000e-004	1.2000e-004	6.1000e-004	0.0000	5.1559	5.1559	1.7000e-004	7.4000e-004	5.3818
Worker	2.3400e-003	1.9500e-003	0.0253	7.0000e-005	7.4800e-003	5.0000e-005	7.5300e-003	1.9900e-003	4.0000e-005	2.0300e-003	0.0000	6.1510	6.1510	1.8000e-004	1.7000e-004	6.2055
Total	**2.8700e-003**	**0.0158**	**0.0299**	**1.2000e-004**	**9.1800e-003**	**1.8000e-004**	**9.3600e-003**	**2.4800e-003**	**1.6000e-004**	**2.6400e-003**	**0.0000**	**11.3068**	**11.3068**	**3.5000e-004**	**9.1000e-004**	**11.5873**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1757	1.3965	1.4570	2.5700e-003		0.0629	0.0629		0.0603	0.0603	0.0000	212.8946	212.8946	0.0403	0.0000	213.9012
Total	**0.1757**	**1.3965**	**1.4570**	**2.5700e-003**		**0.0629**	**0.0629**		**0.0603**	**0.0603**	**0.0000**	**212.8946**	**212.8946**	**0.0403**	**0.0000**	**213.9012**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1700e-003	0.1487	0.0557	6.9000e-004	0.0233	7.1000e-004	0.0240	6.7100e-003	6.8000e-004	7.4000e-003	0.0000	67.0924	67.0924	2.2400e-003	9.6600e-003	70.0258
Worker	0.0296	0.0235	0.3178	8.9000e-004	0.1022	6.3000e-004	0.1028	0.0272	5.8000e-004	0.0277	0.0000	81.3585	81.3585	2.1600e-003	2.1200e-003	82.0437
Total	**0.0338**	**0.1722**	**0.3735**	**1.5800e-003**	**0.1255**	**1.3400e-003**	**0.1268**	**0.0339**	**1.2600e-003**	**0.0351**	**0.0000**	**148.4510**	**148.4510**	**4.4000e-003**	**0.0118**	**152.0696**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1757	1.3965	1.4570	2.5700e-003		0.0629	0.0629		0.0603	0.0603	0.0000	212.8944	212.8944	0.0403	0.0000	213.9009
Total	**0.1757**	**1.3965**	**1.4570**	**2.5700e-003**		**0.0629**	**0.0629**		**0.0603**	**0.0603**	**0.0000**	**212.8944**	**212.8944**	**0.0403**	**0.0000**	**213.9009**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1700e-003	0.1487	0.0557	6.9000e-004	0.0233	7.1000e-004	0.0240	6.7100e-003	6.8000e-004	7.4000e-003	0.0000	67.0924	67.0924	2.2400e-003	9.6600e-003	70.0258
Worker	0.0296	0.0235	0.3178	8.9000e-004	0.1022	6.3000e-004	0.1028	0.0272	5.8000e-004	0.0277	0.0000	81.3585	81.3585	2.1600e-003	2.1200e-003	82.0437
Total	**0.0338**	**0.1722**	**0.3735**	**1.5800e-003**	**0.1255**	**1.3400e-003**	**0.1268**	**0.0339**	**1.2600e-003**	**0.0351**	**0.0000**	**148.4510**	**148.4510**	**4.4000e-003**	**0.0118**	**152.0696**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.4000e-003	0.0431	0.0584	9.0000e-005		2.1700e-003	2.1700e-003		2.0000e-003	2.0000e-003	0.0000	7.7564	7.7564	2.4600e-003	0.0000	7.8179
Paving	1.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.3400e-003**	**0.0431**	**0.0584**	**9.0000e-005**		**2.1700e-003**	**2.1700e-003**		**2.0000e-003**	**2.0000e-003**	**0.0000**	**7.7564**	**7.7564**	**2.4600e-003**	**0.0000**	**7.8179**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.9000e-004	2.5600e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6542	0.6542	2.0000e-005	2.0000e-005	0.6597
Total	**2.4000e-004**	**1.9000e-004**	**2.5600e-003**	**1.0000e-005**	**8.2000e-004**	**1.0000e-005**	**8.3000e-004**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**0.6542**	**0.6542**	**2.0000e-005**	**2.0000e-005**	**0.6597**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.4000e-003	0.0431	0.0584	9.0000e-005		2.1700e-003	2.1700e-003		2.0000e-003	2.0000e-003	0.0000	7.7564	7.7564	2.4600e-003	0.0000	7.8178
Paving	1.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.3400e-003**	**0.0431**	**0.0584**	**9.0000e-005**		**2.1700e-003**	**2.1700e-003**		**2.0000e-003**	**2.0000e-003**	**0.0000**	**7.7564**	**7.7564**	**2.4600e-003**	**0.0000**	**7.8178**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.9000e-004	2.5600e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6542	0.6542	2.0000e-005	2.0000e-005	0.6597
Total	**2.4000e-004**	**1.9000e-004**	**2.5600e-003**	**1.0000e-005**	**8.2000e-004**	**1.0000e-005**	**8.3000e-004**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**0.6542**	**0.6542**	**2.0000e-005**	**2.0000e-005**	**0.6597**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6671					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	**0.6681**	**6.5100e-003**	**9.0600e-003**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2785**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	2.3000e-004	3.0700e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7850	0.7850	2.0000e-005	2.0000e-005	0.7916
Total	**2.9000e-004**	**2.3000e-004**	**3.0700e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**9.9000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.7850**	**0.7850**	**2.0000e-005**	**2.0000e-005**	**0.7916**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6671					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	**0.6681**	**6.5100e-003**	**9.0600e-003**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2785**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	2.3000e-004	3.0700e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7850	0.7850	2.0000e-005	2.0000e-005	0.7916
Total	**2.9000e-004**	**2.3000e-004**	**3.0700e-003**	**1.0000e-005**	**9.9000e-004**	**1.0000e-005**	**9.9000e-004**	**2.6000e-004**	**1.0000e-005**	**2.7000e-004**	**0.0000**	**0.7850**	**0.7850**	**2.0000e-005**	**2.0000e-005**	**0.7916**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
General Office Building	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Unrefrigerated Warehouse-No Rail	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Other Asphalt Surfaces	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	122.0557	122.0557	8.3100e-003	1.0100e-003	122.5637
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	122.0557	122.0557	8.3100e-003	1.0100e-003	122.5637
NaturalGas Mitigated	7.0000e-004	6.4000e-003	5.3800e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9699	6.9699	1.3000e-004	1.3000e-004	7.0113
NaturalGas Unmitigated	7.0000e-004	6.4000e-003	5.3800e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9699	6.9699	1.3000e-004	1.3000e-004	7.0113

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	9279	5.0000e-005	4.5000e-004	3.8000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4952	0.4952	1.0000e-005	1.0000e-005	0.4981
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	121332	6.5000e-004	5.9500e-003	5.0000e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.4748	6.4748	1.2000e-004	1.2000e-004	6.5132
Total		**7.0000e-004**	**6.4000e-003**	**5.3800e-003**	**4.0000e-005**		**4.8000e-004**	**4.8000e-004**		**4.8000e-004**	**4.8000e-004**	**0.0000**	**6.9699**	**6.9699**	**1.3000e-004**	**1.3000e-004**	**7.0113**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	9279	5.0000e-005	4.5000e-004	3.8000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4952	0.4952	1.0000e-005	1.0000e-005	0.4981
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	121332	6.5000e-004	5.9500e-003	5.0000e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	6.4748	6.4748	1.2000e-004	1.2000e-004	6.5132
Total		**7.0000e-004**	**6.4000e-003**	**5.3800e-003**	**4.0000e-005**		**4.8000e-004**	**4.8000e-004**		**4.8000e-004**	**4.8000e-004**	**0.0000**	**6.9699**	**6.9699**	**1.3000e-004**	**1.3000e-004**	**7.0113**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	11250	2.4730	1.7000e-004	2.0000e-005	2.4833
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	3640	0.8002	5.0000e-005	1.0000e-005	0.8035
Unrefrigerated Warehouse-No Rail	540352	118.7825	8.0900e-003	9.8000e-004	119.2769
Total		**122.0557**	**8.3100e-003**	**1.0100e-003**	**122.5637**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	11250	2.4730	1.7000e-004	2.0000e-005	2.4833
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	3640	0.8002	5.0000e-005	1.0000e-005	0.8035
Unrefrigerated Warehouse-No Rail	540352	118.7825	8.0900e-003	9.8000e-004	119.2769
Total		**122.0557**	**8.3100e-003**	**1.0100e-003**	**122.5637**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5843	2.0000e-005	2.1600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.2100e-003	4.2100e-003	1.0000e-005	0.0000	4.4800e-003
Unmitigated	0.5843	2.0000e-005	2.1600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.2100e-003	4.2100e-003	1.0000e-005	0.0000	4.4800e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0667					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5173					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-004	2.0000e-005	2.1600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.2100e-003	4.2100e-003	1.0000e-005	0.0000	4.4800e-003
Total	**0.5843**	**2.0000e-005**	**2.1600e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.2100e-003**	**4.2100e-003**	**1.0000e-005**	**0.0000**	**4.4800e-003**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0667					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5173					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-004	2.0000e-005	2.1600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.2100e-003	4.2100e-003	1.0000e-005	0.0000	4.4800e-003
Total	**0.5843**	**2.0000e-005**	**2.1600e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.2100e-003**	**4.2100e-003**	**1.0000e-005**	**0.0000**	**4.4800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	105.1215	1.0747	0.0260	139.7399
Unmitigated	105.1215	1.0747	0.0260	139.7399

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.262126	0.6402	4.0000e-005	1.0000e-005	0.6428
General Office Building	0.15996 / 0.0980402	0.7481	5.2600e-003	1.3000e-004	0.9179
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	32.6247 / 0	103.7333	1.0694	0.0259	138.1791
Total		**105.1215**	**1.0747**	**0.0260**	**139.7399**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.262126	0.6402	4.0000e-005	1.0000e-005	0.6428
General Office Building	0.15996 / 0.0980402	0.7481	5.2600e-003	1.3000e-004	0.9179
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	32.6247 / 0	103.7333	1.0694	0.0259	138.1791
Total		**105.1215**	**1.0747**	**0.0260**	**139.7399**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Covina Public Storage Operations Only - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	27.0952	1.6013	0.0000	67.1273
Unmitigated	27.0952	1.6013	0.0000	67.1273

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.02	4.0600e-003	2.4000e-004	0.0000	0.0101
General Office Building	0.84	0.1705	0.0101	0.0000	0.4224
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	132.62	26.9207	1.5910	0.0000	66.6948
Total		**27.0952**	**1.6013**	**0.0000**	**67.1273**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.02	4.0600e-003	2.4000e-004	0.0000	0.0101
General Office Building	0.84	0.1705	0.0101	0.0000	0.4224
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	132.62	26.9207	1.5910	0.0000	66.6948
Total		**27.0952**	**1.6013**	**0.0000**	**67.1273**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Covina Public Storage Operations Only

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.90	1000sqft	0.02	900.00	0
Unrefrigerated Warehouse-No Rail	141.08	1000sqft	0.98	141,084.00	0
Parking Lot	26.00	Space	0.23	10,400.00	0
City Park	0.22	Acre	0.22	9,781.00	0
Other Asphalt Surfaces	1.25	Acre	1.25	54,450.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	484.63	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2024 CO2 intensity

Land Use - 2.7 acre site

Construction Phase - no construction

Vehicle Trips - mobile calculated separately

Road Dust - no mobile

Consumer Products - default

Area Coating - default

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Landscape Equipment - default

Energy Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	141,080.00	141,084.00
tblLandUse	LandUseSquareFeet	9,583.20	9,781.00
tblLandUse	LotAcreage	3.24	0.98
tblProjectCharacteristics	CH4IntensityFactor	0	0.033
tblProjectCharacteristics	CO2IntensityFactor	0	484.63
tblProjectCharacteristics	N2OIntensityFactor	0	0.004
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00

2.0 Emissions Summary

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.2412	17.0089	18.5395	0.0414	7.1944	0.8388	7.9374	3.4544	0.7837	4.1379	0.0000	3,987.3752	3,987.3752	0.7704	0.1320	4,039.0119
2023	133.6719	15.2088	18.0385	0.0407	1.2478	0.6267	1.8745	0.3362	0.6003	0.9365	0.0000	3,920.6088	3,920.6088	0.5457	0.1247	3,969.7608
Maximum	**133.6719**	**17.0089**	**18.5395**	**0.0414**	**7.1944**	**0.8388**	**7.9374**	**3.4544**	**0.7837**	**4.1379**	**0.0000**	**3,987.3752**	**3,987.3752**	**0.7704**	**0.1320**	**4,039.0119**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.2412	17.0089	18.5395	0.0414	7.1944	0.8388	7.9374	3.4544	0.7837	4.1379	0.0000	3,987.3752	3,987.3752	0.7704	0.1320	4,039.0119
2023	133.6719	15.2088	18.0385	0.0407	1.2478	0.6267	1.8745	0.3362	0.6003	0.9365	0.0000	3,920.6088	3,920.6088	0.5457	0.1247	3,969.7608
Maximum	**133.6719**	**17.0089**	**18.5395**	**0.0414**	**7.1944**	**0.8388**	**7.9374**	**3.4544**	**0.7837**	**4.1379**	**0.0000**	**3,987.3752**	**3,987.3752**	**0.7704**	**0.1320**	**4,039.0119**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2019	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Energy	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.0987	42.0987	8.1000e-004	7.7000e-004	42.3489
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.2058**	**0.0352**	**0.0467**	**2.1000e-004**	**0.0000**	**2.7300e-003**	**2.7300e-003**	**0.0000**	**2.7300e-003**	**2.7300e-003**		**42.1358**	**42.1358**	**9.1000e-004**	**7.7000e-004**	**42.3884**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2019	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Energy	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.0987	42.0987	8.1000e-004	7.7000e-004	42.3489
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.2058**	**0.0352**	**0.0467**	**2.1000e-004**	**0.0000**	**2.7300e-003**	**2.7300e-003**	**0.0000**	**2.7300e-003**	**2.7300e-003**		**42.1358**	**42.1358**	**9.1000e-004**	**7.7000e-004**	**42.3884**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2022	11/28/2022	5	20	
2	Site Preparation	Site Preparation	11/29/2022	12/1/2022	5	3	
3	Grading	Grading	12/2/2022	12/9/2022	5	6	
4	Building Construction	Building Construction	12/10/2022	10/13/2023	5	220	
5	Paving	Paving	10/14/2023	10/27/2023	5	10	
6	Architectural Coating	Architectural Coating	10/28/2023	11/10/2023	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 6

Acres of Paving: 1.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 212,976; Non-Residential Outdoor: 70,992; Striped Parking Area: 3,891 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	91.00	36.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	**1.6889**	**16.6217**	**13.9605**	**0.0241**		**0.8379**	**0.8379**		**0.7829**	**0.7829**		**2,323.4168**	**2,323.4168**	**0.5921**		**2,338.2191**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0328	0.5117	1.3300e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		134.3475	134.3475	3.6600e-003	3.2500e-003	135.4083
Total	**0.0450**	**0.0328**	**0.5117**	**1.3300e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**134.3475**	**134.3475**	**3.6600e-003**	**3.2500e-003**	**135.4083**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	**1.6889**	**16.6217**	**13.9605**	**0.0241**		**0.8379**	**0.8379**		**0.7829**	**0.7829**	**0.0000**	**2,323.4168**	**2,323.4168**	**0.5921**		**2,338.2191**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0328	0.5117	1.3300e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		134.3475	134.3475	3.6600e-003	3.2500e-003	135.4083
Total	**0.0450**	**0.0328**	**0.5117**	**1.3300e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**134.3475**	**134.3475**	**3.6600e-003**	**3.2500e-003**	**135.4083**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476		2,375.1569	2,375.1569	0.7682		2,394.3613
Total	**1.3784**	**15.6673**	**10.0558**	**0.0245**	**1.5908**	**0.5952**	**2.1859**	**0.1718**	**0.5476**	**0.7193**		**2,375.1569**	**2,375.1569**	**0.7682**		**2,394.3613**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0277	0.0202	0.3149	8.2000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		82.6754	82.6754	2.2500e-003	2.0000e-003	83.3282
Total	**0.0277**	**0.0202**	**0.3149**	**8.2000e-004**	**0.0894**	**5.7000e-004**	**0.0900**	**0.0237**	**5.3000e-004**	**0.0242**		**82.6754**	**82.6754**	**2.2500e-003**	**2.0000e-003**	**83.3282**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476	0.0000	2,375.1569	2,375.1569	0.7682		2,394.3613
Total	**1.3784**	**15.6673**	**10.0558**	**0.0245**	**1.5908**	**0.5952**	**2.1859**	**0.1718**	**0.5476**	**0.7193**	**0.0000**	**2,375.1569**	**2,375.1569**	**0.7682**		**2,394.3613**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0277	0.0202	0.3149	8.2000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		82.6754	82.6754	2.2500e-003	2.0000e-003	83.3282
Total	**0.0277**	**0.0202**	**0.3149**	**8.2000e-004**	**0.0894**	**5.7000e-004**	**0.0900**	**0.0237**	**5.3000e-004**	**0.0242**		**82.6754**	**82.6754**	**2.2500e-003**	**2.0000e-003**	**83.3282**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**7.0826**	**0.7423**	**7.8249**	**3.4247**	**0.6829**	**4.1076**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0346	0.0253	0.3936	1.0200e-003	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		103.3442	103.3442	2.8200e-003	2.5000e-003	104.1603
Total	**0.0346**	**0.0253**	**0.3936**	**1.0200e-003**	**0.1118**	**7.2000e-004**	**0.1125**	**0.0296**	**6.6000e-004**	**0.0303**		**103.3442**	**103.3442**	**2.8200e-003**	**2.5000e-003**	**104.1603**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**7.0826**	**0.7423**	**7.8249**	**3.4247**	**0.6829**	**4.1076**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0346	0.0253	0.3936	1.0200e-003	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		103.3442	103.3442	2.8200e-003	2.5000e-003	104.1603
Total	**0.0346**	**0.0253**	**0.3936**	**1.0200e-003**	**0.1118**	**7.2000e-004**	**0.1125**	**0.0296**	**6.6000e-004**	**0.0303**		**103.3442**	**103.3442**	**2.8200e-003**	**2.5000e-003**	**104.1603**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**		**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0708	1.7634	0.6046	7.0500e-003	0.2306	0.0168	0.2474	0.0664	0.0161	0.0825		757.6617	757.6617	0.0253	0.1092	790.8305
Worker	0.3148	0.2299	3.5816	9.3000e-003	1.0172	6.5100e-003	1.0237	0.2698	5.9900e-003	0.2758		940.4322	940.4322	0.0256	0.0228	947.8584
Total	**0.3857**	**1.9933**	**4.1862**	**0.0164**	**1.2478**	**0.0233**	**1.2711**	**0.3362**	**0.0221**	**0.3582**		**1,698.0939**	**1,698.0939**	**0.0509**	**0.1320**	**1,738.6889**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**	**0.0000**	**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0708	1.7634	0.6046	7.0500e-003	0.2306	0.0168	0.2474	0.0664	0.0161	0.0825		757.6617	757.6617	0.0253	0.1092	790.8305
Worker	0.3148	0.2299	3.5816	9.3000e-003	1.0172	6.5100e-003	1.0237	0.2698	5.9900e-003	0.2758		940.4322	940.4322	0.0256	0.0228	947.8584
Total	**0.3857**	**1.9933**	**4.1862**	**0.0164**	**1.2478**	**0.0233**	**1.2711**	**0.3362**	**0.0221**	**0.3582**		**1,698.0939**	**1,698.0939**	**0.0509**	**0.1320**	**1,738.6889**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**		**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0415	1.3818	0.5353	6.7000e-003	0.2306	6.9500e-003	0.2375	0.0664	6.6400e-003	0.0730		721.0169	721.0169	0.0242	0.1037	752.5120
Worker	0.2912	0.2030	3.2887	9.0000e-003	1.0172	6.1200e-003	1.0233	0.2698	5.6300e-003	0.2754		910.0686	910.0686	0.0230	0.0210	916.9009
Total	**0.3327**	**1.5848**	**3.8241**	**0.0157**	**1.2478**	**0.0131**	**1.2608**	**0.3362**	**0.0123**	**0.3484**		**1,631.0855**	**1,631.0855**	**0.0471**	**0.1247**	**1,669.4129**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**	**0.0000**	**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0415	1.3818	0.5353	6.7000e-003	0.2306	6.9500e-003	0.2375	0.0664	6.6400e-003	0.0730		721.0169	721.0169	0.0242	0.1037	752.5120
Worker	0.2912	0.2030	3.2887	9.0000e-003	1.0172	6.1200e-003	1.0233	0.2698	5.6300e-003	0.2754		910.0686	910.0686	0.0230	0.0210	916.9009
Total	**0.3327**	**1.5848**	**3.8241**	**0.0157**	**1.2478**	**0.0131**	**1.2608**	**0.3362**	**0.0123**	**0.3484**		**1,631.0855**	**1,631.0855**	**0.0471**	**0.1247**	**1,669.4129**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.3878					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2680**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**		**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0335	0.5421	1.4800e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		150.0113	150.0113	3.7800e-003	3.4600e-003	151.1375
Total	**0.0480**	**0.0335**	**0.5421**	**1.4800e-003**	**0.1677**	**1.0100e-003**	**0.1687**	**0.0445**	**9.3000e-004**	**0.0454**		**150.0113**	**150.0113**	**3.7800e-003**	**3.4600e-003**	**151.1375**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.3878					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2680**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**	**0.0000**	**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0335	0.5421	1.4800e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		150.0113	150.0113	3.7800e-003	3.4600e-003	151.1375
Total	**0.0480**	**0.0335**	**0.5421**	**1.4800e-003**	**0.1677**	**1.0100e-003**	**0.1687**	**0.0445**	**9.3000e-004**	**0.0454**		**150.0113**	**150.0113**	**3.7800e-003**	**3.4600e-003**	**151.1375**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	133.4227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**133.6143**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0402	0.6505	1.7800e-003	0.2012	1.2100e-003	0.2024	0.0534	1.1100e-003	0.0545		180.0136	180.0136	4.5400e-003	4.1500e-003	181.3650
Total	**0.0576**	**0.0402**	**0.6505**	**1.7800e-003**	**0.2012**	**1.2100e-003**	**0.2024**	**0.0534**	**1.1100e-003**	**0.0545**		**180.0136**	**180.0136**	**4.5400e-003**	**4.1500e-003**	**181.3650**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	133.4227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**133.6143**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0402	0.6505	1.7800e-003	0.2012	1.2100e-003	0.2024	0.0534	1.1100e-003	0.0545		180.0136	180.0136	4.5400e-003	4.1500e-003	181.3650
Total	**0.0576**	**0.0402**	**0.6505**	**1.7800e-003**	**0.2012**	**1.2100e-003**	**0.2024**	**0.0534**	**1.1100e-003**	**0.0545**		**180.0136**	**180.0136**	**4.5400e-003**	**4.1500e-003**	**181.3650**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
General Office Building	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Unrefrigerated Warehouse-No Rail	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Other Asphalt Surfaces	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.0987	42.0987	8.1000e-004	7.7000e-004	42.3489
NaturalGas Unmitigated	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.0987	42.0987	8.1000e-004	7.7000e-004	42.3489

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	25.4219	2.7000e-004	2.4900e-003	2.0900e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		2.9908	2.9908	6.0000e-005	5.0000e-005	3.0086
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	332.417	3.5800e-003	0.0326	0.0274	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003		39.1079	39.1079	7.5000e-004	7.2000e-004	39.3403
Total		**3.8500e-003**	**0.0351**	**0.0295**	**2.1000e-004**		**2.6700e-003**	**2.6700e-003**		**2.6700e-003**	**2.6700e-003**		**42.0987**	**42.0987**	**8.1000e-004**	**7.7000e-004**	**42.3489**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.0254219	2.7000e-004	2.4900e-003	2.0900e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		2.9908	2.9908	6.0000e-005	5.0000e-005	3.0086
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.332417	3.5800e-003	0.0326	0.0274	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003		39.1079	39.1079	7.5000e-004	7.2000e-004	39.3403
Total		**3.8500e-003**	**0.0351**	**0.0295**	**2.1000e-004**		**2.6700e-003**	**2.6700e-003**		**2.6700e-003**	**2.6700e-003**		**42.0987**	**42.0987**	**8.1000e-004**	**7.7000e-004**	**42.3489**

6.0 Area Detail

6.1 Mitigation Measures Area

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2019	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Unmitigated	3.2019	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5900e-003	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Total	**3.2019**	**1.6000e-004**	**0.0173**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0371**	**0.0371**	**1.0000e-004**		**0.0395**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5900e-003	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Total	**3.2019**	**1.6000e-004**	**0.0173**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0371**	**0.0371**	**1.0000e-004**		**0.0395**

7.0 Water Detail

7.1 Mitigation Measures Water

Covina Public Storage Operations Only - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Covina Public Storage Operations Only

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.90	1000sqft	0.02	900.00	0
Unrefrigerated Warehouse-No Rail	141.08	1000sqft	0.98	141,084.00	0
Parking Lot	26.00	Space	0.23	10,400.00	0
City Park	0.22	Acre	0.22	9,781.00	0
Other Asphalt Surfaces	1.25	Acre	1.25	54,450.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	484.63	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2024 CO2 intensity

Land Use - 2.7 acre site

Construction Phase - no construction

Vehicle Trips - mobile calculated separately

Road Dust - no mobile

Consumer Products - default

Area Coating - default

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Landscape Equipment - default

Energy Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	141,080.00	141,084.00
tblLandUse	LandUseSquareFeet	9,583.20	9,781.00
tblLandUse	LotAcreage	3.24	0.98
tblProjectCharacteristics	CH4IntensityFactor	0	0.033
tblProjectCharacteristics	CO2IntensityFactor	0	484.63
tblProjectCharacteristics	N2OIntensityFactor	0	0.004
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.21	0.00
tblVehicleTrips	ST_TR	1.74	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	0.70	0.00
tblVehicleTrips	SU_TR	1.74	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	9.74	0.00
tblVehicleTrips	WD_TR	1.74	0.00

2.0 Emissions Summary

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.2625	17.0115	18.2672	0.0409	7.1944	0.8388	7.9374	3.4544	0.7837	4.1379	0.0000	3,937.9386	3,937.9386	0.7705	0.1337	3,990.0880
2023	133.6762	15.2949	17.7895	0.0403	1.2478	0.6267	1.8745	0.3362	0.6004	0.9365	0.0000	3,873.8482	3,873.8482	0.5458	0.1264	3,923.5144
Maximum	**133.6762**	**17.0115**	**18.2672**	**0.0409**	**7.1944**	**0.8388**	**7.9374**	**3.4544**	**0.7837**	**4.1379**	**0.0000**	**3,937.9386**	**3,937.9386**	**0.7705**	**0.1337**	**3,990.0880**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.2625	17.0115	18.2672	0.0409	7.1944	0.8388	7.9374	3.4544	0.7837	4.1379	0.0000	3,937.9386	3,937.9386	0.7705	0.1337	3,990.0880
2023	133.6762	15.2949	17.7895	0.0403	1.2478	0.6267	1.8745	0.3362	0.6004	0.9365	0.0000	3,873.8482	3,873.8482	0.5458	0.1264	3,923.5144
Maximum	**133.6762**	**17.0115**	**18.2672**	**0.0409**	**7.1944**	**0.8388**	**7.9374**	**3.4544**	**0.7837**	**4.1379**	**0.0000**	**3,937.9386**	**3,937.9386**	**0.7705**	**0.1337**	**3,990.0880**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2019	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Energy	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.0987	42.0987	8.1000e-004	7.7000e-004	42.3489
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.2058**	**0.0352**	**0.0467**	**2.1000e-004**	**0.0000**	**2.7300e-003**	**2.7300e-003**	**0.0000**	**2.7300e-003**	**2.7300e-003**		**42.1358**	**42.1358**	**9.1000e-004**	**7.7000e-004**	**42.3884**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2019	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Energy	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.0987	42.0987	8.1000e-004	7.7000e-004	42.3489
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.2058**	**0.0352**	**0.0467**	**2.1000e-004**	**0.0000**	**2.7300e-003**	**2.7300e-003**	**0.0000**	**2.7300e-003**	**2.7300e-003**		**42.1358**	**42.1358**	**9.1000e-004**	**7.7000e-004**	**42.3884**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2022	11/28/2022	5	20	
2	Site Preparation	Site Preparation	11/29/2022	12/1/2022	5	3	
3	Grading	Grading	12/2/2022	12/9/2022	5	6	
4	Building Construction	Building Construction	12/10/2022	10/13/2023	5	220	
5	Paving	Paving	10/14/2023	10/27/2023	5	10	
6	Architectural Coating	Architectural Coating	10/28/2023	11/10/2023	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 6

Acres of Paving: 1.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 212,976; Non-Residential Outdoor: 70,992; Striped Parking Area: 3,891 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	91.00	36.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	**1.6889**	**16.6217**	**13.9605**	**0.0241**		**0.8379**	**0.8379**		**0.7829**	**0.7829**		**2,323.4168**	**2,323.4168**	**0.5921**		**2,338.2191**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4698	1.2600e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		127.2444	127.2444	3.7000e-003	3.4800e-003	128.3729
Total	**0.0482**	**0.0363**	**0.4698**	**1.2600e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**127.2444**	**127.2444**	**3.7000e-003**	**3.4800e-003**	**128.3729**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	**1.6889**	**16.6217**	**13.9605**	**0.0241**		**0.8379**	**0.8379**		**0.7829**	**0.7829**	**0.0000**	**2,323.4168**	**2,323.4168**	**0.5921**		**2,338.2191**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4698	1.2600e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		127.2444	127.2444	3.7000e-003	3.4800e-003	128.3729
Total	**0.0482**	**0.0363**	**0.4698**	**1.2600e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**127.2444**	**127.2444**	**3.7000e-003**	**3.4800e-003**	**128.3729**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476		2,375.1569	2,375.1569	0.7682		2,394.3613
Total	**1.3784**	**15.6673**	**10.0558**	**0.0245**	**1.5908**	**0.5952**	**2.1859**	**0.1718**	**0.5476**	**0.7193**		**2,375.1569**	**2,375.1569**	**0.7682**		**2,394.3613**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0296	0.0223	0.2891	7.7000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		78.3043	78.3043	2.2800e-003	2.1400e-003	78.9987
Total	**0.0296**	**0.0223**	**0.2891**	**7.7000e-004**	**0.0894**	**5.7000e-004**	**0.0900**	**0.0237**	**5.3000e-004**	**0.0242**		**78.3043**	**78.3043**	**2.2800e-003**	**2.1400e-003**	**78.9987**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476	0.0000	2,375.1569	2,375.1569	0.7682		2,394.3613
Total	**1.3784**	**15.6673**	**10.0558**	**0.0245**	**1.5908**	**0.5952**	**2.1859**	**0.1718**	**0.5476**	**0.7193**	**0.0000**	**2,375.1569**	**2,375.1569**	**0.7682**		**2,394.3613**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0296	0.0223	0.2891	7.7000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		78.3043	78.3043	2.2800e-003	2.1400e-003	78.9987
Total	**0.0296**	**0.0223**	**0.2891**	**7.7000e-004**	**0.0894**	**5.7000e-004**	**0.0900**	**0.0237**	**5.3000e-004**	**0.0242**		**78.3043**	**78.3043**	**2.2800e-003**	**2.1400e-003**	**78.9987**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**7.0826**	**0.7423**	**7.8249**	**3.4247**	**0.6829**	**4.1076**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0370	0.0279	0.3614	9.7000e-004	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		97.8803	97.8803	2.8500e-003	2.6700e-003	98.7483
Total	**0.0370**	**0.0279**	**0.3614**	**9.7000e-004**	**0.1118**	**7.2000e-004**	**0.1125**	**0.0296**	**6.6000e-004**	**0.0303**		**97.8803**	**97.8803**	**2.8500e-003**	**2.6700e-003**	**98.7483**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**7.0826**	**0.7423**	**7.8249**	**3.4247**	**0.6829**	**4.1076**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0370	0.0279	0.3614	9.7000e-004	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		97.8803	97.8803	2.8500e-003	2.6700e-003	98.7483
Total	**0.0370**	**0.0279**	**0.3614**	**9.7000e-004**	**0.1118**	**7.2000e-004**	**0.1125**	**0.0296**	**6.6000e-004**	**0.0303**		**97.8803**	**97.8803**	**2.8500e-003**	**2.6700e-003**	**98.7483**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**		**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0700	1.8361	0.6255	7.0500e-003	0.2306	0.0169	0.2475	0.0664	0.0161	0.0825		757.9464	757.9464	0.0252	0.1093	791.1551
Worker	0.3371	0.2540	3.2884	8.8100e-003	1.0172	6.5100e-003	1.0237	0.2698	5.9900e-003	0.2758		890.7109	890.7109	0.0259	0.0243	898.6099
Total	**0.4070**	**2.0901**	**3.9140**	**0.0159**	**1.2478**	**0.0234**	**1.2711**	**0.3362**	**0.0221**	**0.3583**		**1,648.6573**	**1,648.6573**	**0.0512**	**0.1337**	**1,689.7650**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**	**0.0000**	**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0700	1.8361	0.6255	7.0500e-003	0.2306	0.0169	0.2475	0.0664	0.0161	0.0825		757.9464	757.9464	0.0252	0.1093	791.1551
Worker	0.3371	0.2540	3.2884	8.8100e-003	1.0172	6.5100e-003	1.0237	0.2698	5.9900e-003	0.2758		890.7109	890.7109	0.0259	0.0243	898.6099
Total	**0.4070**	**2.0901**	**3.9140**	**0.0159**	**1.2478**	**0.0234**	**1.2711**	**0.3362**	**0.0221**	**0.3583**		**1,648.6573**	**1,648.6573**	**0.0512**	**0.1337**	**1,689.7650**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**		**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0400	1.4467	0.5521	6.7100e-003	0.2306	6.9900e-003	0.2376	0.0664	6.6900e-003	0.0731		722.2331	722.2331	0.0241	0.1039	753.8080
Worker	0.3129	0.2243	3.0229	8.5300e-003	1.0172	6.1200e-003	1.0233	0.2698	5.6300e-003	0.2754		862.0918	862.0918	0.0233	0.0224	869.3585
Total	**0.3529**	**1.6710**	**3.5750**	**0.0152**	**1.2478**	**0.0131**	**1.2609**	**0.3362**	**0.0123**	**0.3485**		**1,584.3249**	**1,584.3249**	**0.0473**	**0.1264**	**1,623.1665**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**	**0.0000**	**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0400	1.4467	0.5521	6.7100e-003	0.2306	6.9900e-003	0.2376	0.0664	6.6900e-003	0.0731		722.2331	722.2331	0.0241	0.1039	753.8080
Worker	0.3129	0.2243	3.0229	8.5300e-003	1.0172	6.1200e-003	1.0233	0.2698	5.6300e-003	0.2754		862.0918	862.0918	0.0233	0.0224	869.3585
Total	**0.3529**	**1.6710**	**3.5750**	**0.0152**	**1.2478**	**0.0131**	**1.2609**	**0.3362**	**0.0123**	**0.3485**		**1,584.3249**	**1,584.3249**	**0.0473**	**0.1264**	**1,623.1665**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.3878					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2680**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**		**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0516	0.0370	0.4983	1.4100e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		142.1030	142.1030	3.8300e-003	3.7000e-003	143.3009
Total	**0.0516**	**0.0370**	**0.4983**	**1.4100e-003**	**0.1677**	**1.0100e-003**	**0.1687**	**0.0445**	**9.3000e-004**	**0.0454**		**142.1030**	**142.1030**	**3.8300e-003**	**3.7000e-003**	**143.3009**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.3878					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2680**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**	**0.0000**	**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0516	0.0370	0.4983	1.4100e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		142.1030	142.1030	3.8300e-003	3.7000e-003	143.3009
Total	**0.0516**	**0.0370**	**0.4983**	**1.4100e-003**	**0.1677**	**1.0100e-003**	**0.1687**	**0.0445**	**9.3000e-004**	**0.0454**		**142.1030**	**142.1030**	**3.8300e-003**	**3.7000e-003**	**143.3009**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	133.4227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**133.6143**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0619	0.0444	0.5979	1.6900e-003	0.2012	1.2100e-003	0.2024	0.0534	1.1100e-003	0.0545		170.5237	170.5237	4.6000e-003	4.4400e-003	171.9610
Total	**0.0619**	**0.0444**	**0.5979**	**1.6900e-003**	**0.2012**	**1.2100e-003**	**0.2024**	**0.0534**	**1.1100e-003**	**0.0545**		**170.5237**	**170.5237**	**4.6000e-003**	**4.4400e-003**	**171.9610**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	133.4227					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**133.6143**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0619	0.0444	0.5979	1.6900e-003	0.2012	1.2100e-003	0.2024	0.0534	1.1100e-003	0.0545		170.5237	170.5237	4.6000e-003	4.4400e-003	171.9610
Total	**0.0619**	**0.0444**	**0.5979**	**1.6900e-003**	**0.2012**	**1.2100e-003**	**0.2024**	**0.0534**	**1.1100e-003**	**0.0545**		**170.5237**	**170.5237**	**4.6000e-003**	**4.4400e-003**	**171.9610**

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
General Office Building	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Unrefrigerated Warehouse-No Rail	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Other Asphalt Surfaces	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.0987	42.0987	8.1000e-004	7.7000e-004	42.3489
NaturalGas Unmitigated	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.0987	42.0987	8.1000e-004	7.7000e-004	42.3489

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	25.4219	2.7000e-004	2.4900e-003	2.0900e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		2.9908	2.9908	6.0000e-005	5.0000e-005	3.0086
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	332.417	3.5800e-003	0.0326	0.0274	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003		39.1079	39.1079	7.5000e-004	7.2000e-004	39.3403
Total		**3.8500e-003**	**0.0351**	**0.0295**	**2.1000e-004**		**2.6700e-003**	**2.6700e-003**		**2.6700e-003**	**2.6700e-003**		**42.0987**	**42.0987**	**8.1000e-004**	**7.7000e-004**	**42.3489**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0.0254219	2.7000e-004	2.4900e-003	2.0900e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		2.9908	2.9908	6.0000e-005	5.0000e-005	3.0086
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0.332417	3.5800e-003	0.0326	0.0274	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003		39.1079	39.1079	7.5000e-004	7.2000e-004	39.3403
Total		**3.8500e-003**	**0.0351**	**0.0295**	**2.1000e-004**		**2.6700e-003**	**2.6700e-003**		**2.6700e-003**	**2.6700e-003**		**42.0987**	**42.0987**	**8.1000e-004**	**7.7000e-004**	**42.3489**

6.0 Area Detail

6.1 Mitigation Measures Area

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.2019	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Unmitigated	3.2019	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5900e-003	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Total	**3.2019**	**1.6000e-004**	**0.0173**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0371**	**0.0371**	**1.0000e-004**		**0.0395**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3655					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8348					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5900e-003	1.6000e-004	0.0173	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0371	0.0371	1.0000e-004		0.0395
Total	**3.2019**	**1.6000e-004**	**0.0173**	**0.0000**		**6.0000e-005**	**6.0000e-005**		**6.0000e-005**	**6.0000e-005**		**0.0371**	**0.0371**	**1.0000e-004**		**0.0395**

7.0 Water Detail

7.1 Mitigation Measures Water

Covina Public Storage Operations Only - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Covina Public Storage Project - Existing Land Use

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	55.32	1000sqft	2.70	55,321.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	541.32	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2022 existing CO2 intensity

Land Use - 2.7 acre site

Construction Phase - no construction

Vehicle Trips - mobile calculated separately

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	1.27	2.70
tblProjectCharacteristics	CO2IntensityFactor	531.98	541.32
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	WD_TR	3.93	0.00

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2213	1.7695	1.7402	3.2900e-003	0.0567	0.0830	0.1397	0.0195	0.0793	0.0987	0.0000	279.4869	279.4869	0.0499	3.1200e-003	281.6629
2023	0.2783	0.1762	0.2071	3.7000e-004	3.8700e-003	8.0800e-003	0.0120	1.0400e-003	7.6800e-003	8.7200e-003	0.0000	31.9103	31.9103	6.1900e-003	2.8000e-004	32.1490
Maximum	**0.2783**	**1.7695**	**1.7402**	**3.2900e-003**	**0.0567**	**0.0830**	**0.1397**	**0.0195**	**0.0793**	**0.0987**	**0.0000**	**279.4869**	**279.4869**	**0.0499**	**3.1200e-003**	**281.6629**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2213	1.7695	1.7402	3.2900e-003	0.0567	0.0830	0.1397	0.0195	0.0793	0.0987	0.0000	279.4867	279.4867	0.0499	3.1200e-003	281.6626
2023	0.2783	0.1762	0.2071	3.7000e-004	3.8700e-003	8.0800e-003	0.0120	1.0400e-003	7.6800e-003	8.7200e-003	0.0000	31.9103	31.9103	6.1900e-003	2.8000e-004	32.1490
Maximum	**0.2783**	**1.7695**	**1.7402**	**3.2900e-003**	**0.0567**	**0.0830**	**0.1397**	**0.0195**	**0.0793**	**0.0987**	**0.0000**	**279.4867**	**279.4867**	**0.0499**	**3.1200e-003**	**281.6626**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**2-11-2022**	**5-10-2022**	0.5601	0.5601
2	**5-11-2022**	**8-10-2022**	0.5604	0.5604
3	**8-11-2022**	**11-10-2022**	0.5608	0.5608
4	**11-11-2022**	**2-10-2023**	0.5383	0.5383
5	**2-11-2023**	**5-10-2023**	0.2263	0.2263
		Highest	0.5608	0.5608

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2256	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3700e-003	1.3700e-003	0.0000	0.0000	1.4600e-003
Energy	5.3600e-003	0.0487	0.0409	2.9000e-004		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	200.5366	200.5366	0.0100	2.0600e-003	201.4013
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	13.9252	0.0000	13.9252	0.8230	0.0000	34.4990
Water						0.0000	0.0000		0.0000	0.0000	4.0586	40.9005	44.9590	0.4194	0.0102	58.4658
Total	**0.2310**	**0.0487**	**0.0416**	**2.9000e-004**	**0.0000**	**3.7000e-003**	**3.7000e-003**	**0.0000**	**3.7000e-003**	**3.7000e-003**	**17.9837**	**241.4384**	**259.4222**	**1.2523**	**0.0122**	**294.3677**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2256	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3700e-003	1.3700e-003	0.0000	0.0000	1.4600e-003
Energy	5.3600e-003	0.0487	0.0409	2.9000e-004		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	200.5366	200.5366	0.0100	2.0600e-003	201.4013
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	13.9252	0.0000	13.9252	0.8230	0.0000	34.4990
Water						0.0000	0.0000		0.0000	0.0000	4.0586	40.9005	44.9590	0.4194	0.0102	58.4658
Total	**0.2310**	**0.0487**	**0.0416**	**2.9000e-004**	**0.0000**	**3.7000e-003**	**3.7000e-003**	**0.0000**	**3.7000e-003**	**3.7000e-003**	**17.9837**	**241.4384**	**259.4222**	**1.2523**	**0.0122**	**294.3677**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/11/2022	3/10/2022	5	20	
2	Site Preparation	Site Preparation	3/11/2022	3/15/2022	5	3	
3	Grading	Grading	3/16/2022	3/23/2022	5	6	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Building Construction	Building Construction	3/24/2022	1/25/2023	5	220	
5	Paving	Paving	1/26/2023	2/8/2023	5	10	
6	Architectural Coating	Architectural Coating	2/9/2023	2/22/2023	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 6

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 82,982; Non-Residential Outdoor: 27,661; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37

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Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	23.00	9.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0169	0.1662	0.1396	2.4000e-004		8.3800e-003	8.3800e-003		7.8300e-003	7.8300e-003	0.0000	21.0777	21.0777	5.3700e-003	0.0000	21.2120
Total	**0.0169**	**0.1662**	**0.1396**	**2.4000e-004**		**8.3800e-003**	**8.3800e-003**		**7.8300e-003**	**7.8300e-003**	**0.0000**	**21.0777**	**21.0777**	**5.3700e-003**	**0.0000**	**21.2120**

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3.2 Demolition - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.7000e-004	4.8300e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1792	1.1792	3.0000e-005	3.0000e-005	1.1896
Total	**4.5000e-004**	**3.7000e-004**	**4.8300e-003**	**1.0000e-005**	**1.4200e-003**	**1.0000e-005**	**1.4300e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**	**0.0000**	**1.1792**	**1.1792**	**3.0000e-005**	**3.0000e-005**	**1.1896**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0169	0.1662	0.1396	2.4000e-004		8.3800e-003	8.3800e-003		7.8300e-003	7.8300e-003	0.0000	21.0777	21.0777	5.3700e-003	0.0000	21.2119
Total	**0.0169**	**0.1662**	**0.1396**	**2.4000e-004**		**8.3800e-003**	**8.3800e-003**		**7.8300e-003**	**7.8300e-003**	**0.0000**	**21.0777**	**21.0777**	**5.3700e-003**	**0.0000**	**21.2119**

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3.2 Demolition - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.7000e-004	4.8300e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4300e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1792	1.1792	3.0000e-005	3.0000e-005	1.1896
Total	**4.5000e-004**	**3.7000e-004**	**4.8300e-003**	**1.0000e-005**	**1.4200e-003**	**1.0000e-005**	**1.4300e-003**	**3.8000e-004**	**1.0000e-005**	**3.9000e-004**	**0.0000**	**1.1792**	**1.1792**	**3.0000e-005**	**3.0000e-005**	**1.1896**

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0700e-003	0.0235	0.0151	4.0000e-005		8.9000e-004	8.9000e-004		8.2000e-004	8.2000e-004	0.0000	3.2321	3.2321	1.0500e-003	0.0000	3.2582
Total	**2.0700e-003**	**0.0235**	**0.0151**	**4.0000e-005**	**2.3900e-003**	**8.9000e-004**	**3.2800e-003**	**2.6000e-004**	**8.2000e-004**	**1.0800e-003**	**0.0000**	**3.2321**	**3.2321**	**1.0500e-003**	**0.0000**	**3.2582**

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3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.5000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.1089	0.1089	0.0000	0.0000	0.1098
Total	**4.0000e-005**	**3.0000e-005**	**4.5000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**3.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1089**	**0.1089**	**0.0000**	**0.0000**	**0.1098**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0700e-003	0.0235	0.0151	4.0000e-005		8.9000e-004	8.9000e-004		8.2000e-004	8.2000e-004	0.0000	3.2321	3.2321	1.0500e-003	0.0000	3.2582
Total	**2.0700e-003**	**0.0235**	**0.0151**	**4.0000e-005**	**2.3900e-003**	**8.9000e-004**	**3.2800e-003**	**2.6000e-004**	**8.2000e-004**	**1.0800e-003**	**0.0000**	**3.2321**	**3.2321**	**1.0500e-003**	**0.0000**	**3.2582**

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3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.5000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.1089	0.1089	0.0000	0.0000	0.1098
Total	**4.0000e-005**	**3.0000e-005**	**4.5000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**3.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1089**	**0.1089**	**0.0000**	**0.0000**	**0.1098**

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0213	0.0000	0.0213	0.0103	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6200e-003	0.0510	0.0277	6.0000e-005		2.2300e-003	2.2300e-003		2.0500e-003	2.0500e-003	0.0000	5.4308	5.4308	1.7600e-003	0.0000	5.4747
Total	**4.6200e-003**	**0.0510**	**0.0277**	**6.0000e-005**	**0.0213**	**2.2300e-003**	**0.0235**	**0.0103**	**2.0500e-003**	**0.0123**	**0.0000**	**5.4308**	**5.4308**	**1.7600e-003**	**0.0000**	**5.4747**

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3.4 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	9.0000e-005	1.1100e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2721	0.2721	1.0000e-005	1.0000e-005	0.2745
Total	**1.0000e-004**	**9.0000e-005**	**1.1100e-003**	**0.0000**	**3.3000e-004**	**0.0000**	**3.3000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2721**	**0.2721**	**1.0000e-005**	**1.0000e-005**	**0.2745**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0213	0.0000	0.0213	0.0103	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6200e-003	0.0510	0.0277	6.0000e-005		2.2300e-003	2.2300e-003		2.0500e-003	2.0500e-003	0.0000	5.4308	5.4308	1.7600e-003	0.0000	5.4747
Total	**4.6200e-003**	**0.0510**	**0.0277**	**6.0000e-005**	**0.0213**	**2.2300e-003**	**0.0235**	**0.0103**	**2.0500e-003**	**0.0123**	**0.0000**	**5.4308**	**5.4308**	**1.7600e-003**	**0.0000**	**5.4747**

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3.4 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	9.0000e-005	1.1100e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2721	0.2721	1.0000e-005	1.0000e-005	0.2745
Total	**1.0000e-004**	**9.0000e-005**	**1.1100e-003**	**0.0000**	**3.3000e-004**	**0.0000**	**3.3000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2721**	**0.2721**	**1.0000e-005**	**1.0000e-005**	**0.2745**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1874	1.4750	1.4497	2.5300e-003		0.0709	0.0709		0.0680	0.0680	0.0000	209.7569	209.7569	0.0405	0.0000	210.7686
Total	**0.1874**	**1.4750**	**1.4497**	**2.5300e-003**		**0.0709**	**0.0709**		**0.0680**	**0.0680**	**0.0000**	**209.7569**	**209.7569**	**0.0405**	**0.0000**	**210.7686**

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3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7700e-003	0.0467	0.0155	1.8000e-004	5.7300e-003	4.2000e-004	6.1500e-003	1.6500e-003	4.1000e-004	2.0600e-003	0.0000	17.3581	17.3581	5.8000e-004	2.5000e-003	18.1187
Worker	7.9600e-003	6.6300e-003	0.0862	2.3000e-004	0.0255	1.7000e-004	0.0256	6.7600e-003	1.5000e-004	6.9100e-003	0.0000	21.0712	21.0712	6.0000e-004	5.7000e-004	21.2568
Total	**9.7300e-003**	**0.0534**	**0.1017**	**4.1000e-004**	**0.0312**	**5.9000e-004**	**0.0318**	**8.4100e-003**	**5.6000e-004**	**8.9700e-003**	**0.0000**	**38.4293**	**38.4293**	**1.1800e-003**	**3.0700e-003**	**39.3755**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1874	1.4750	1.4497	2.5300e-003		0.0709	0.0709		0.0680	0.0680	0.0000	209.7567	209.7567	0.0405	0.0000	210.7684
Total	**0.1874**	**1.4750**	**1.4497**	**2.5300e-003**		**0.0709**	**0.0709**		**0.0680**	**0.0680**	**0.0000**	**209.7567**	**209.7567**	**0.0405**	**0.0000**	**210.7684**

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3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7700e-003	0.0467	0.0155	1.8000e-004	5.7300e-003	4.2000e-004	6.1500e-003	1.6500e-003	4.1000e-004	2.0600e-003	0.0000	17.3581	17.3581	5.8000e-004	2.5000e-003	18.1187
Worker	7.9600e-003	6.6300e-003	0.0862	2.3000e-004	0.0255	1.7000e-004	0.0256	6.7600e-003	1.5000e-004	6.9100e-003	0.0000	21.0712	21.0712	6.0000e-004	5.7000e-004	21.2568
Total	**9.7300e-003**	**0.0534**	**0.1017**	**4.1000e-004**	**0.0312**	**5.9000e-004**	**0.0318**	**8.4100e-003**	**5.6000e-004**	**8.9700e-003**	**0.0000**	**38.4293**	**38.4293**	**1.1800e-003**	**3.0700e-003**	**39.3755**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0154	0.1226	0.1279	2.3000e-004		5.5200e-003	5.5200e-003		5.2900e-003	5.2900e-003	0.0000	18.6932	18.6932	3.5400e-003	0.0000	18.7816
Total	**0.0154**	**0.1226**	**0.1279**	**2.3000e-004**		**5.5200e-003**	**5.5200e-003**		**5.2900e-003**	**5.2900e-003**	**0.0000**	**18.6932**	**18.6932**	**3.5400e-003**	**0.0000**	**18.7816**

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3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	3.2600e-003	1.2200e-003	2.0000e-005	5.1000e-004	2.0000e-005	5.3000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	1.4728	1.4728	5.0000e-005	2.1000e-004	1.5372
Worker	6.6000e-004	5.2000e-004	7.0700e-003	2.0000e-005	2.2700e-003	1.0000e-005	2.2800e-003	6.0000e-004	1.0000e-005	6.2000e-004	0.0000	1.8282	1.8282	5.0000e-005	5.0000e-005	1.8434
Total	**7.5000e-004**	**3.7800e-003**	**8.2900e-003**	**4.0000e-005**	**2.7800e-003**	**3.0000e-005**	**2.8100e-003**	**7.5000e-004**	**2.0000e-005**	**7.8000e-004**	**0.0000**	**3.3009**	**3.3009**	**1.0000e-004**	**2.6000e-004**	**3.3805**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0154	0.1226	0.1279	2.3000e-004		5.5200e-003	5.5200e-003		5.2900e-003	5.2900e-003	0.0000	18.6932	18.6932	3.5400e-003	0.0000	18.7815
Total	**0.0154**	**0.1226**	**0.1279**	**2.3000e-004**		**5.5200e-003**	**5.5200e-003**		**5.2900e-003**	**5.2900e-003**	**0.0000**	**18.6932**	**18.6932**	**3.5400e-003**	**0.0000**	**18.7815**

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3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0000e-005	3.2600e-003	1.2200e-003	2.0000e-005	5.1000e-004	2.0000e-005	5.3000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	1.4728	1.4728	5.0000e-005	2.1000e-004	1.5372
Worker	6.6000e-004	5.2000e-004	7.0700e-003	2.0000e-005	2.2700e-003	1.0000e-005	2.2800e-003	6.0000e-004	1.0000e-005	6.2000e-004	0.0000	1.8282	1.8282	5.0000e-005	5.0000e-005	1.8434
Total	**7.5000e-004**	**3.7800e-003**	**8.2900e-003**	**4.0000e-005**	**2.7800e-003**	**3.0000e-005**	**2.8100e-003**	**7.5000e-004**	**2.0000e-005**	**7.8000e-004**	**0.0000**	**3.3009**	**3.3009**	**1.0000e-004**	**2.6000e-004**	**3.3805**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.4000e-003	0.0431	0.0584	9.0000e-005		2.1700e-003	2.1700e-003		2.0000e-003	2.0000e-003	0.0000	7.7564	7.7564	2.4600e-003	0.0000	7.8179
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.4000e-003**	**0.0431**	**0.0584**	**9.0000e-005**		**2.1700e-003**	**2.1700e-003**		**2.0000e-003**	**2.0000e-003**	**0.0000**	**7.7564**	**7.7564**	**2.4600e-003**	**0.0000**	**7.8179**

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3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.9000e-004	2.5600e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6624	0.6624	2.0000e-005	2.0000e-005	0.6679
Total	**2.4000e-004**	**1.9000e-004**	**2.5600e-003**	**1.0000e-005**	**8.2000e-004**	**1.0000e-005**	**8.3000e-004**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**0.6624**	**0.6624**	**2.0000e-005**	**2.0000e-005**	**0.6679**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.4000e-003	0.0431	0.0584	9.0000e-005		2.1700e-003	2.1700e-003		2.0000e-003	2.0000e-003	0.0000	7.7564	7.7564	2.4600e-003	0.0000	7.8178
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.4000e-003**	**0.0431**	**0.0584**	**9.0000e-005**		**2.1700e-003**	**2.1700e-003**		**2.0000e-003**	**2.0000e-003**	**0.0000**	**7.7564**	**7.7564**	**2.4600e-003**	**0.0000**	**7.8178**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.9000e-004	2.5600e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6624	0.6624	2.0000e-005	2.0000e-005	0.6679
Total	**2.4000e-004**	**1.9000e-004**	**2.5600e-003**	**1.0000e-005**	**8.2000e-004**	**1.0000e-005**	**8.3000e-004**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**0.6624**	**0.6624**	**2.0000e-005**	**2.0000e-005**	**0.6679**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2564					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	**0.2574**	**6.5100e-003**	**9.0600e-003**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2785**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	8.5000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2208	0.2208	1.0000e-005	1.0000e-005	0.2226
Total	**8.0000e-005**	**6.0000e-005**	**8.5000e-004**	**0.0000**	**2.7000e-004**	**0.0000**	**2.8000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2208**	**0.2208**	**1.0000e-005**	**1.0000e-005**	**0.2226**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2564					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	**0.2574**	**6.5100e-003**	**9.0600e-003**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2785**

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3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	8.5000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2208	0.2208	1.0000e-005	1.0000e-005	0.2226
Total	**8.0000e-005**	**6.0000e-005**	**8.5000e-004**	**0.0000**	**2.7000e-004**	**0.0000**	**2.8000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2208**	**0.2208**	**1.0000e-005**	**1.0000e-005**	**0.2226**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Manufacturing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Manufacturing	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Manufacturing	0.546774	0.061880	0.186704	0.127505	0.022909	0.005912	0.010702	0.008032	0.000940	0.000617	0.023937	0.000692	0.003397

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	147.5162	147.5162	8.9900e-003	1.0900e-003	148.0658
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	147.5162	147.5162	8.9900e-003	1.0900e-003	148.0658
NaturalGas Mitigated	5.3600e-003	0.0487	0.0409	2.9000e-004		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	53.0204	53.0204	1.0200e-003	9.7000e-004	53.3355
NaturalGas Unmitigated	5.3600e-003	0.0487	0.0409	2.9000e-004		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	53.0204	53.0204	1.0200e-003	9.7000e-004	53.3355

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Manufacturing	993565	5.3600e-003	0.0487	0.0409	2.9000e-004		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	53.0204	53.0204	1.0200e-003	9.7000e-004	53.3355
Total		**5.3600e-003**	**0.0487**	**0.0409**	**2.9000e-004**		**3.7000e-003**	**3.7000e-003**		**3.7000e-003**	**3.7000e-003**	**0.0000**	**53.0204**	**53.0204**	**1.0200e-003**	**9.7000e-004**	**53.3355**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Manufacturing	993565	5.3600e-003	0.0487	0.0409	2.9000e-004		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	53.0204	53.0204	1.0200e-003	9.7000e-004	53.3355
Total		**5.3600e-003**	**0.0487**	**0.0409**	**2.9000e-004**		**3.7000e-003**	**3.7000e-003**		**3.7000e-003**	**3.7000e-003**	**0.0000**	**53.0204**	**53.0204**	**1.0200e-003**	**9.7000e-004**	**53.3355**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Manufacturing	600786	147.5162	8.9900e-003	1.0900e-003	148.0658
Total		**147.5162**	**8.9900e-003**	**1.0900e-003**	**148.0658**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Manufacturing	600786	147.5162	8.9900e-003	1.0900e-003	148.0658
Total		**147.5162**	**8.9900e-003**	**1.0900e-003**	**148.0658**

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2256	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3700e-003	1.3700e-003	0.0000	0.0000	1.4600e-003
Unmitigated	0.2256	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3700e-003	1.3700e-003	0.0000	0.0000	1.4600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0256					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1999					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3700e-003	1.3700e-003	0.0000	0.0000	1.4600e-003
Total	**0.2256**	**1.0000e-005**	**7.1000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.3700e-003**	**1.3700e-003**	**0.0000**	**0.0000**	**1.4600e-003**

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0256					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1999					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3700e-003	1.3700e-003	0.0000	0.0000	1.4600e-003
Total	**0.2256**	**1.0000e-005**	**7.1000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.3700e-003**	**1.3700e-003**	**0.0000**	**0.0000**	**1.4600e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	44.9590	0.4194	0.0102	58.4658
Unmitigated	44.9590	0.4194	0.0102	58.4658

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Manufacturing	12.7928 / 0	44.9590	0.4194	0.0102	58.4658
Total		**44.9590**	**0.4194**	**0.0102**	**58.4658**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Manufacturing	12.7928 / 0	44.9590	0.4194	0.0102	58.4658
Total		**44.9590**	**0.4194**	**0.0102**	**58.4658**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	13.9252	0.8230	0.0000	34.4990
Unmitigated	13.9252	0.8230	0.0000	34.4990

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Manufacturing	68.6	13.9252	0.8230	0.0000	34.4990
Total		**13.9252**	**0.8230**	**0.0000**	**34.4990**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Manufacturing	68.6	13.9252	0.8230	0.0000	34.4990
Total		**13.9252**	**0.8230**	**0.0000**	**34.4990**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Covina Public Storage Project - Existing Land Use

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	55.32	1000sqft	2.70	55,321.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	541.32	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2022 existing CO2 intensity

Land Use - 2.7 acre site

Construction Phase - no construction

Vehicle Trips - mobile calculated separately

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	1.27	2.70
tblProjectCharacteristics	CO2IntensityFactor	531.98	541.32
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	WD_TR	3.93	0.00

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.9528	17.0089	15.4109	0.0291	7.1944	0.8388	7.9374	3.4544	0.7837	4.1379	0.0000	2,717.9259	2,717.9259	0.7704	0.0331	2,739.1368
2023	51.4907	14.0207	15.1818	0.0290	0.3147	0.6169	0.9317	0.0848	0.5911	0.6759	0.0000	2,702.6785	2,702.6785	0.5457	0.0312	2,723.1037
Maximum	**51.4907**	**17.0089**	**15.4109**	**0.0291**	**7.1944**	**0.8388**	**7.9374**	**3.4544**	**0.7837**	**4.1379**	**0.0000**	**2,717.9259**	**2,717.9259**	**0.7704**	**0.0331**	**2,739.1368**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.9528	17.0089	15.4109	0.0291	7.1944	0.8388	7.9374	3.4544	0.7837	4.1379	0.0000	2,717.9259	2,717.9259	0.7704	0.0331	2,739.1368
2023	51.4907	14.0207	15.1818	0.0290	0.3147	0.6169	0.9317	0.0848	0.5911	0.6759	0.0000	2,702.6785	2,702.6785	0.5457	0.0312	2,723.1037
Maximum	**51.4907**	**17.0089**	**15.4109**	**0.0291**	**7.1944**	**0.8388**	**7.9374**	**3.4544**	**0.7837**	**4.1379**	**0.0000**	**2,717.9259**	**2,717.9259**	**0.7704**	**0.0331**	**2,739.1368**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2364	5.0000e-005	5.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0121	0.0121	3.0000e-005		0.0129
Energy	0.0294	0.2669	0.2242	1.6000e-003		0.0203	0.0203		0.0203	0.0203		320.2466	320.2466	6.1400e-003	5.8700e-003	322.1497
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.2657**	**0.2669**	**0.2298**	**1.6000e-003**	**0.0000**	**0.0203**	**0.0203**	**0.0000**	**0.0203**	**0.0203**		**320.2587**	**320.2587**	**6.1700e-003**	**5.8700e-003**	**322.1626**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2364	5.0000e-005	5.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0121	0.0121	3.0000e-005		0.0129
Energy	0.0294	0.2669	0.2242	1.6000e-003		0.0203	0.0203		0.0203	0.0203		320.2466	320.2466	6.1400e-003	5.8700e-003	322.1497
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.2657**	**0.2669**	**0.2298**	**1.6000e-003**	**0.0000**	**0.0203**	**0.0203**	**0.0000**	**0.0203**	**0.0203**		**320.2587**	**320.2587**	**6.1700e-003**	**5.8700e-003**	**322.1626**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/11/2022	3/10/2022	5	20	
2	Site Preparation	Site Preparation	3/11/2022	3/15/2022	5	3	
3	Grading	Grading	3/16/2022	3/23/2022	5	6	
4	Building Construction	Building Construction	3/24/2022	1/25/2023	5	220	
5	Paving	Paving	1/26/2023	2/8/2023	5	10	
6	Architectural Coating	Architectural Coating	2/9/2023	2/22/2023	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 6

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 82,982; Non-Residential Outdoor: 27,661; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	23.00	9.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	**1.6889**	**16.6217**	**13.9605**	**0.0241**		**0.8379**	**0.8379**		**0.7829**	**0.7829**		**2,323.4168**	**2,323.4168**	**0.5921**		**2,338.2191**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0329	0.5124	1.3300e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		135.2165	135.2165	3.6600e-003	3.2500e-003	136.2774
Total	**0.0450**	**0.0329**	**0.5124**	**1.3300e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**135.2165**	**135.2165**	**3.6600e-003**	**3.2500e-003**	**136.2774**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	**1.6889**	**16.6217**	**13.9605**	**0.0241**		**0.8379**	**0.8379**		**0.7829**	**0.7829**	**0.0000**	**2,323.4168**	**2,323.4168**	**0.5921**		**2,338.2191**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0450	0.0329	0.5124	1.3300e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		135.2165	135.2165	3.6600e-003	3.2500e-003	136.2774
Total	**0.0450**	**0.0329**	**0.5124**	**1.3300e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**135.2165**	**135.2165**	**3.6600e-003**	**3.2500e-003**	**136.2774**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476		2,375.1569	2,375.1569	0.7682		2,394.3613
Total	**1.3784**	**15.6673**	**10.0558**	**0.0245**	**1.5908**	**0.5952**	**2.1859**	**0.1718**	**0.5476**	**0.7193**		**2,375.1569**	**2,375.1569**	**0.7682**		**2,394.3613**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0277	0.0202	0.3153	8.2000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		83.2102	83.2102	2.2500e-003	2.0000e-003	83.8630
Total	**0.0277**	**0.0202**	**0.3153**	**8.2000e-004**	**0.0894**	**5.7000e-004**	**0.0900**	**0.0237**	**5.3000e-004**	**0.0242**		**83.2102**	**83.2102**	**2.2500e-003**	**2.0000e-003**	**83.8630**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476	0.0000	2,375.1569	2,375.1569	0.7682		2,394.3613
Total	**1.3784**	**15.6673**	**10.0558**	**0.0245**	**1.5908**	**0.5952**	**2.1859**	**0.1718**	**0.5476**	**0.7193**	**0.0000**	**2,375.1569**	**2,375.1569**	**0.7682**		**2,394.3613**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0277	0.0202	0.3153	8.2000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		83.2102	83.2102	2.2500e-003	2.0000e-003	83.8630
Total	**0.0277**	**0.0202**	**0.3153**	**8.2000e-004**	**0.0894**	**5.7000e-004**	**0.0900**	**0.0237**	**5.3000e-004**	**0.0242**		**83.2102**	**83.2102**	**2.2500e-003**	**2.0000e-003**	**83.8630**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**7.0826**	**0.7423**	**7.8249**	**3.4247**	**0.6829**	**4.1076**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0346	0.0253	0.3941	1.0200e-003	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		104.0127	104.0127	2.8200e-003	2.5000e-003	104.8288
Total	**0.0346**	**0.0253**	**0.3941**	**1.0200e-003**	**0.1118**	**7.2000e-004**	**0.1125**	**0.0296**	**6.6000e-004**	**0.0303**		**104.0127**	**104.0127**	**2.8200e-003**	**2.5000e-003**	**104.8288**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**7.0826**	**0.7423**	**7.8249**	**3.4247**	**0.6829**	**4.1076**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0346	0.0253	0.3941	1.0200e-003	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		104.0127	104.0127	2.8200e-003	2.5000e-003	104.8288
Total	**0.0346**	**0.0253**	**0.3941**	**1.0200e-003**	**0.1118**	**7.2000e-004**	**0.1125**	**0.0296**	**6.6000e-004**	**0.0303**		**104.0127**	**104.0127**	**2.8200e-003**	**2.5000e-003**	**104.8288**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**		**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0177	0.4409	0.1512	1.7600e-003	0.0577	4.2000e-003	0.0619	0.0166	4.0200e-003	0.0206		189.4154	189.4154	6.3300e-003	0.0273	197.7076
Worker	0.0796	0.0581	0.9065	2.3500e-003	0.2571	1.6500e-003	0.2587	0.0682	1.5200e-003	0.0697		239.2292	239.2292	6.4800e-003	5.7600e-003	241.1062
Total	**0.0973**	**0.4990**	**1.0577**	**4.1100e-003**	**0.3147**	**5.8500e-003**	**0.3206**	**0.0848**	**5.5400e-003**	**0.0903**		**428.6447**	**428.6447**	**0.0128**	**0.0331**	**438.8138**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**	**0.0000**	**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0177	0.4409	0.1512	1.7600e-003	0.0577	4.2000e-003	0.0619	0.0166	4.0200e-003	0.0206		189.4154	189.4154	6.3300e-003	0.0273	197.7076
Worker	0.0796	0.0581	0.9065	2.3500e-003	0.2571	1.6500e-003	0.2587	0.0682	1.5200e-003	0.0697		239.2292	239.2292	6.4800e-003	5.7600e-003	241.1062
Total	**0.0973**	**0.4990**	**1.0577**	**4.1100e-003**	**0.3147**	**5.8500e-003**	**0.3206**	**0.0848**	**5.5400e-003**	**0.0903**		**428.6447**	**428.6447**	**0.0128**	**0.0331**	**438.8138**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**		**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0104	0.3455	0.1338	1.6800e-003	0.0577	1.7400e-003	0.0594	0.0166	1.6600e-003	0.0183		180.2542	180.2542	6.0400e-003	0.0259	188.1280
Worker	0.0737	0.0514	0.8335	2.2800e-003	0.2571	1.5500e-003	0.2586	0.0682	1.4300e-003	0.0696		232.9009	232.9009	5.8000e-003	5.3100e-003	234.6278
Total	**0.0840**	**0.3968**	**0.9673**	**3.9600e-003**	**0.3147**	**3.2900e-003**	**0.3180**	**0.0848**	**3.0900e-003**	**0.0879**		**413.1552**	**413.1552**	**0.0118**	**0.0312**	**422.7558**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**	**0.0000**	**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0104	0.3455	0.1338	1.6800e-003	0.0577	1.7400e-003	0.0594	0.0166	1.6600e-003	0.0183		180.2542	180.2542	6.0400e-003	0.0259	188.1280
Worker	0.0737	0.0514	0.8335	2.2800e-003	0.2571	1.5500e-003	0.2586	0.0682	1.4300e-003	0.0696		232.9009	232.9009	5.8000e-003	5.3100e-003	234.6278
Total	**0.0840**	**0.3968**	**0.9673**	**3.9600e-003**	**0.3147**	**3.2900e-003**	**0.3180**	**0.0848**	**3.0900e-003**	**0.0879**		**413.1552**	**413.1552**	**0.0118**	**0.0312**	**422.7558**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8802**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**		**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0335	0.5436	1.4800e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		151.8919	151.8919	3.7800e-003	3.4600e-003	153.0181
Total	**0.0480**	**0.0335**	**0.5436**	**1.4800e-003**	**0.1677**	**1.0100e-003**	**0.1687**	**0.0445**	**9.3000e-004**	**0.0454**		**151.8919**	**151.8919**	**3.7800e-003**	**3.4600e-003**	**153.0181**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8802**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**	**0.0000**	**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0335	0.5436	1.4800e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		151.8919	151.8919	3.7800e-003	3.4600e-003	153.0181
Total	**0.0480**	**0.0335**	**0.5436**	**1.4800e-003**	**0.1677**	**1.0100e-003**	**0.1687**	**0.0445**	**9.3000e-004**	**0.0454**		**151.8919**	**151.8919**	**3.7800e-003**	**3.4600e-003**	**153.0181**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	51.2830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**51.4747**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0112	0.1812	4.9000e-004	0.0559	3.4000e-004	0.0562	0.0148	3.1000e-004	0.0151		50.6306	50.6306	1.2600e-003	1.1500e-003	51.0060
Total	**0.0160**	**0.0112**	**0.1812**	**4.9000e-004**	**0.0559**	**3.4000e-004**	**0.0562**	**0.0148**	**3.1000e-004**	**0.0151**		**50.6306**	**50.6306**	**1.2600e-003**	**1.1500e-003**	**51.0060**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	51.2830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**51.4747**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0112	0.1812	4.9000e-004	0.0559	3.4000e-004	0.0562	0.0148	3.1000e-004	0.0151		50.6306	50.6306	1.2600e-003	1.1500e-003	51.0060
Total	**0.0160**	**0.0112**	**0.1812**	**4.9000e-004**	**0.0559**	**3.4000e-004**	**0.0562**	**0.0148**	**3.1000e-004**	**0.0151**		**50.6306**	**50.6306**	**1.2600e-003**	**1.1500e-003**	**51.0060**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Manufacturing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Manufacturing	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Manufacturing	0.546774	0.061880	0.186704	0.127505	0.022909	0.005912	0.010702	0.008032	0.000940	0.000617	0.023937	0.000692	0.003397

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0294	0.2669	0.2242	1.6000e-003		0.0203	0.0203		0.0203	0.0203		320.2466	320.2466	6.1400e-003	5.8700e-003	322.1497
NaturalGas Unmitigated	0.0294	0.2669	0.2242	1.6000e-003		0.0203	0.0203		0.0203	0.0203		320.2466	320.2466	6.1400e-003	5.8700e-003	322.1497

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Manufacturing	2722.1	0.0294	0.2669	0.2242	1.6000e-003		0.0203	0.0203		0.0203	0.0203		320.2466	320.2466	6.1400e-003	5.8700e-003	322.1497
Total		**0.0294**	**0.2669**	**0.2242**	**1.6000e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**320.2466**	**320.2466**	**6.1400e-003**	**5.8700e-003**	**322.1497**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Manufacturing	2.7221	0.0294	0.2669	0.2242	1.6000e-003		0.0203	0.0203		0.0203	0.0203		320.2466	320.2466	6.1400e-003	5.8700e-003	322.1497
Total		**0.0294**	**0.2669**	**0.2242**	**1.6000e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**320.2466**	**320.2466**	**6.1400e-003**	**5.8700e-003**	**322.1497**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2364	5.0000e-005	5.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0121	0.0121	3.0000e-005		0.0129
Unmitigated	1.2364	5.0000e-005	5.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0121	0.0121	3.0000e-005		0.0129

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1405					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.3000e-004	5.0000e-005	5.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0121	0.0121	3.0000e-005		0.0129
Total	**1.2364**	**5.0000e-005**	**5.6600e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0121**	**0.0121**	**3.0000e-005**		**0.0129**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1405					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.3000e-004	5.0000e-005	5.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0121	0.0121	3.0000e-005		0.0129
Total	**1.2364**	**5.0000e-005**	**5.6600e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0121**	**0.0121**	**3.0000e-005**		**0.0129**

7.0 Water Detail

7.1 Mitigation Measures Water

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Covina Public Storage Project - Existing Land Use

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Manufacturing	55.32	1000sqft	2.70	55,321.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	9			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	541.32	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2022 existing CO2 intensity

Land Use - 2.7 acre site

Construction Phase - no construction

Vehicle Trips - mobile calculated separately

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	1.27	2.70
tblProjectCharacteristics	CO2IntensityFactor	531.98	541.32
tblVehicleTrips	ST_TR	6.42	0.00
tblVehicleTrips	SU_TR	5.09	0.00
tblVehicleTrips	WD_TR	3.93	0.00

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.9582	17.0115	15.3420	0.0290	7.1944	0.8388	7.9374	3.4544	0.7837	4.1379	0.0000	2,705.3485	2,705.3485	0.7705	0.0335	2,726.6888
2023	51.4919	14.0423	15.1186	0.0289	0.3147	0.6169	0.9317	0.0848	0.5911	0.6759	0.0000	2,690.7037	2,690.7037	0.5458	0.0317	2,711.2587
Maximum	**51.4919**	**17.0115**	**15.3420**	**0.0290**	**7.1944**	**0.8388**	**7.9374**	**3.4544**	**0.7837**	**4.1379**	**0.0000**	**2,705.3485**	**2,705.3485**	**0.7705**	**0.0335**	**2,726.6888**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.9582	17.0115	15.3420	0.0290	7.1944	0.8388	7.9374	3.4544	0.7837	4.1379	0.0000	2,705.3485	2,705.3485	0.7705	0.0335	2,726.6888
2023	51.4919	14.0423	15.1186	0.0289	0.3147	0.6169	0.9317	0.0848	0.5911	0.6759	0.0000	2,690.7037	2,690.7037	0.5458	0.0317	2,711.2587
Maximum	**51.4919**	**17.0115**	**15.3420**	**0.0290**	**7.1944**	**0.8388**	**7.9374**	**3.4544**	**0.7837**	**4.1379**	**0.0000**	**2,705.3485**	**2,705.3485**	**0.7705**	**0.0335**	**2,726.6888**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2364	5.0000e-005	5.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0121	0.0121	3.0000e-005		0.0129
Energy	0.0294	0.2669	0.2242	1.6000e-003		0.0203	0.0203		0.0203	0.0203		320.2466	320.2466	6.1400e-003	5.8700e-003	322.1497
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.2657**	**0.2669**	**0.2298**	**1.6000e-003**	**0.0000**	**0.0203**	**0.0203**	**0.0000**	**0.0203**	**0.0203**		**320.2587**	**320.2587**	**6.1700e-003**	**5.8700e-003**	**322.1626**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2364	5.0000e-005	5.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0121	0.0121	3.0000e-005		0.0129
Energy	0.0294	0.2669	0.2242	1.6000e-003		0.0203	0.0203		0.0203	0.0203		320.2466	320.2466	6.1400e-003	5.8700e-003	322.1497
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.2657**	**0.2669**	**0.2298**	**1.6000e-003**	**0.0000**	**0.0203**	**0.0203**	**0.0000**	**0.0203**	**0.0203**		**320.2587**	**320.2587**	**6.1700e-003**	**5.8700e-003**	**322.1626**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/11/2022	3/10/2022	5	20	
2	Site Preparation	Site Preparation	3/11/2022	3/15/2022	5	3	
3	Grading	Grading	3/16/2022	3/23/2022	5	6	
4	Building Construction	Building Construction	3/24/2022	1/25/2023	5	220	
5	Paving	Paving	1/26/2023	2/8/2023	5	10	
6	Architectural Coating	Architectural Coating	2/9/2023	2/22/2023	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 6

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 82,982; Non-Residential Outdoor: 27,661; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	23.00	9.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	**1.6889**	**16.6217**	**13.9605**	**0.0241**		**0.8379**	**0.8379**		**0.7829**	**0.7829**		**2,323.4168**	**2,323.4168**	**0.5921**		**2,338.2191**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4704	1.2600e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		128.0673	128.0673	3.7000e-003	3.4800e-003	129.1958
Total	**0.0482**	**0.0363**	**0.4704**	**1.2600e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**128.0673**	**128.0673**	**3.7000e-003**	**3.4800e-003**	**129.1958**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	**1.6889**	**16.6217**	**13.9605**	**0.0241**		**0.8379**	**0.8379**		**0.7829**	**0.7829**	**0.0000**	**2,323.4168**	**2,323.4168**	**0.5921**		**2,338.2191**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0482	0.0363	0.4704	1.2600e-003	0.1453	9.3000e-004	0.1462	0.0385	8.6000e-004	0.0394		128.0673	128.0673	3.7000e-003	3.4800e-003	129.1958
Total	**0.0482**	**0.0363**	**0.4704**	**1.2600e-003**	**0.1453**	**9.3000e-004**	**0.1462**	**0.0385**	**8.6000e-004**	**0.0394**		**128.0673**	**128.0673**	**3.7000e-003**	**3.4800e-003**	**129.1958**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476		2,375.1569	2,375.1569	0.7682		2,394.3613
Total	**1.3784**	**15.6673**	**10.0558**	**0.0245**	**1.5908**	**0.5952**	**2.1859**	**0.1718**	**0.5476**	**0.7193**		**2,375.1569**	**2,375.1569**	**0.7682**		**2,394.3613**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0296	0.0223	0.2895	7.7000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		78.8107	78.8107	2.2800e-003	2.1400e-003	79.5051
Total	**0.0296**	**0.0223**	**0.2895**	**7.7000e-004**	**0.0894**	**5.7000e-004**	**0.0900**	**0.0237**	**5.3000e-004**	**0.0242**		**78.8107**	**78.8107**	**2.2800e-003**	**2.1400e-003**	**79.5051**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476	0.0000	2,375.1569	2,375.1569	0.7682		2,394.3613
Total	**1.3784**	**15.6673**	**10.0558**	**0.0245**	**1.5908**	**0.5952**	**2.1859**	**0.1718**	**0.5476**	**0.7193**	**0.0000**	**2,375.1569**	**2,375.1569**	**0.7682**		**2,394.3613**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0296	0.0223	0.2895	7.7000e-004	0.0894	5.7000e-004	0.0900	0.0237	5.3000e-004	0.0242		78.8107	78.8107	2.2800e-003	2.1400e-003	79.5051
Total	**0.0296**	**0.0223**	**0.2895**	**7.7000e-004**	**0.0894**	**5.7000e-004**	**0.0900**	**0.0237**	**5.3000e-004**	**0.0242**		**78.8107**	**78.8107**	**2.2800e-003**	**2.1400e-003**	**79.5051**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**7.0826**	**0.7423**	**7.8249**	**3.4247**	**0.6829**	**4.1076**		**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0371	0.0279	0.3619	9.7000e-004	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		98.5133	98.5133	2.8500e-003	2.6700e-003	99.3813
Total	**0.0371**	**0.0279**	**0.3619**	**9.7000e-004**	**0.1118**	**7.2000e-004**	**0.1125**	**0.0296**	**6.6000e-004**	**0.0303**		**98.5133**	**98.5133**	**2.8500e-003**	**2.6700e-003**	**99.3813**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	**1.5403**	**16.9836**	**9.2202**	**0.0206**	**7.0826**	**0.7423**	**7.8249**	**3.4247**	**0.6829**	**4.1076**	**0.0000**	**1,995.4825**	**1,995.4825**	**0.6454**		**2,011.6169**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0371	0.0279	0.3619	9.7000e-004	0.1118	7.2000e-004	0.1125	0.0296	6.6000e-004	0.0303		98.5133	98.5133	2.8500e-003	2.6700e-003	99.3813
Total	**0.0371**	**0.0279**	**0.3619**	**9.7000e-004**	**0.1118**	**7.2000e-004**	**0.1125**	**0.0296**	**6.6000e-004**	**0.0303**		**98.5133**	**98.5133**	**2.8500e-003**	**2.6700e-003**	**99.3813**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**		**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0175	0.4590	0.1564	1.7600e-003	0.0577	4.2100e-003	0.0619	0.0166	4.0300e-003	0.0206		189.4866	189.4866	6.3100e-003	0.0273	197.7888
Worker	0.0852	0.0642	0.8323	2.2300e-003	0.2571	1.6500e-003	0.2587	0.0682	1.5200e-003	0.0697		226.5806	226.5806	6.5500e-003	6.1500e-003	228.5771
Total	**0.1027**	**0.5233**	**0.9887**	**3.9900e-003**	**0.3147**	**5.8600e-003**	**0.3206**	**0.0848**	**5.5500e-003**	**0.0903**		**416.0672**	**416.0672**	**0.0129**	**0.0335**	**426.3659**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	**1.8555**	**14.6040**	**14.3533**	**0.0250**		**0.7022**	**0.7022**		**0.6731**	**0.6731**	**0.0000**	**2,289.2813**	**2,289.2813**	**0.4417**		**2,300.3230**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0175	0.4590	0.1564	1.7600e-003	0.0577	4.2100e-003	0.0619	0.0166	4.0300e-003	0.0206		189.4866	189.4866	6.3100e-003	0.0273	197.7888
Worker	0.0852	0.0642	0.8323	2.2300e-003	0.2571	1.6500e-003	0.2587	0.0682	1.5200e-003	0.0697		226.5806	226.5806	6.5500e-003	6.1500e-003	228.5771
Total	**0.1027**	**0.5233**	**0.9887**	**3.9900e-003**	**0.3147**	**5.8600e-003**	**0.3206**	**0.0848**	**5.5500e-003**	**0.0903**		**416.0672**	**416.0672**	**0.0129**	**0.0335**	**426.3659**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**		**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0100	0.3617	0.1380	1.6800e-003	0.0577	1.7500e-003	0.0594	0.0166	1.6700e-003	0.0183		180.5583	180.5583	6.0100e-003	0.0260	188.4520
Worker	0.0791	0.0567	0.7661	2.1600e-003	0.2571	1.5500e-003	0.2586	0.0682	1.4300e-003	0.0696		220.6221	220.6221	5.8800e-003	5.6700e-003	222.4588
Total	**0.0891**	**0.4184**	**0.9041**	**3.8400e-003**	**0.3147**	**3.3000e-003**	**0.3180**	**0.0848**	**3.1000e-003**	**0.0879**		**401.1804**	**401.1804**	**0.0119**	**0.0317**	**410.9108**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	**1.7136**	**13.6239**	**14.2145**	**0.0250**		**0.6136**	**0.6136**		**0.5880**	**0.5880**	**0.0000**	**2,289.5233**	**2,289.5233**	**0.4330**		**2,300.3479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0100	0.3617	0.1380	1.6800e-003	0.0577	1.7500e-003	0.0594	0.0166	1.6700e-003	0.0183		180.5583	180.5583	6.0100e-003	0.0260	188.4520
Worker	0.0791	0.0567	0.7661	2.1600e-003	0.2571	1.5500e-003	0.2586	0.0682	1.4300e-003	0.0696		220.6221	220.6221	5.8800e-003	5.6700e-003	222.4588
Total	**0.0891**	**0.4184**	**0.9041**	**3.8400e-003**	**0.3147**	**3.3000e-003**	**0.3180**	**0.0848**	**3.1000e-003**	**0.0879**		**401.1804**	**401.1804**	**0.0119**	**0.0317**	**410.9108**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8802**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**		**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0516	0.0370	0.4996	1.4100e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		143.8840	143.8840	3.8300e-003	3.7000e-003	145.0818
Total	**0.0516**	**0.0370**	**0.4996**	**1.4100e-003**	**0.1677**	**1.0100e-003**	**0.1687**	**0.0445**	**9.3000e-004**	**0.0454**		**143.8840**	**143.8840**	**3.8300e-003**	**3.7000e-003**	**145.0818**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8802**	**8.6098**	**11.6840**	**0.0179**		**0.4338**	**0.4338**		**0.4003**	**0.4003**	**0.0000**	**1,709.9926**	**1,709.9926**	**0.5420**		**1,723.5414**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0516	0.0370	0.4996	1.4100e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		143.8840	143.8840	3.8300e-003	3.7000e-003	145.0818
Total	**0.0516**	**0.0370**	**0.4996**	**1.4100e-003**	**0.1677**	**1.0100e-003**	**0.1687**	**0.0445**	**9.3000e-004**	**0.0454**		**143.8840**	**143.8840**	**3.8300e-003**	**3.7000e-003**	**145.0818**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	51.2830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**51.4747**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0172	0.0123	0.1665	4.7000e-004	0.0559	3.4000e-004	0.0562	0.0148	3.1000e-004	0.0151		47.9613	47.9613	1.2800e-003	1.2300e-003	48.3606
Total	**0.0172**	**0.0123**	**0.1665**	**4.7000e-004**	**0.0559**	**3.4000e-004**	**0.0562**	**0.0148**	**3.1000e-004**	**0.0151**		**47.9613**	**47.9613**	**1.2800e-003**	**1.2300e-003**	**48.3606**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	51.2830					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**51.4747**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0172	0.0123	0.1665	4.7000e-004	0.0559	3.4000e-004	0.0562	0.0148	3.1000e-004	0.0151		47.9613	47.9613	1.2800e-003	1.2300e-003	48.3606
Total	**0.0172**	**0.0123**	**0.1665**	**4.7000e-004**	**0.0559**	**3.4000e-004**	**0.0562**	**0.0148**	**3.1000e-004**	**0.0151**		**47.9613**	**47.9613**	**1.2800e-003**	**1.2300e-003**	**48.3606**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Manufacturing	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Manufacturing	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Manufacturing	0.546774	0.061880	0.186704	0.127505	0.022909	0.005912	0.010702	0.008032	0.000940	0.000617	0.023937	0.000692	0.003397

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0294	0.2669	0.2242	1.6000e-003		0.0203	0.0203		0.0203	0.0203		320.2466	320.2466	6.1400e-003	5.8700e-003	322.1497
NaturalGas Unmitigated	0.0294	0.2669	0.2242	1.6000e-003		0.0203	0.0203		0.0203	0.0203		320.2466	320.2466	6.1400e-003	5.8700e-003	322.1497

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Manufacturing	2722.1	0.0294	0.2669	0.2242	1.6000e-003		0.0203	0.0203		0.0203	0.0203		320.2466	320.2466	6.1400e-003	5.8700e-003	322.1497
Total		**0.0294**	**0.2669**	**0.2242**	**1.6000e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**320.2466**	**320.2466**	**6.1400e-003**	**5.8700e-003**	**322.1497**

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Manufacturing	2.7221	0.0294	0.2669	0.2242	1.6000e-003		0.0203	0.0203		0.0203	0.0203		320.2466	320.2466	6.1400e-003	5.8700e-003	322.1497
Total		**0.0294**	**0.2669**	**0.2242**	**1.6000e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**320.2466**	**320.2466**	**6.1400e-003**	**5.8700e-003**	**322.1497**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2364	5.0000e-005	5.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0121	0.0121	3.0000e-005		0.0129
Unmitigated	1.2364	5.0000e-005	5.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0121	0.0121	3.0000e-005		0.0129

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1405					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.3000e-004	5.0000e-005	5.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0121	0.0121	3.0000e-005		0.0129
Total	**1.2364**	**5.0000e-005**	**5.6600e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0121**	**0.0121**	**3.0000e-005**		**0.0129**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1405					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0954					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.3000e-004	5.0000e-005	5.6600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0121	0.0121	3.0000e-005		0.0129
Total	**1.2364**	**5.0000e-005**	**5.6600e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0121**	**0.0121**	**3.0000e-005**		**0.0129**

7.0 Water Detail

7.1 Mitigation Measures Water

Covina Public Storage Project - Existing Land Use - Los Angeles-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Appendix B

Cultural Resources Assessment Report

ESA

Public Version

CITY OF COVINA PUBLIC STORAGE PROJECT, CITY OF COVINA, CALIFORNIA

Cultural Resources Assessment Report

Prepared for

City of Covina
Community Development Department
125 E. College Street
Covina, CA 91723

March 2022

ESA

Public Version

CITY OF COVINA PUBLIC STORAGE PROJECT, CITY OF COVINA, CALIFORNIA

Cultural Resources Assessment Report

March 2022

Prepared for:
City of Covina
Community Development Department
125 E. College Street
Covina, CA 91723

Prepared by:
ESA
626 Wilshire Blvd. Suite 1100
Los Angeles, CA 90017

Project Director:
Monica Strauss, M.A., RPA

Principal Investigator:
Candace Ehringer, M.A., RPA

Report Author:
Fatima Clark, B.A.

Project Location:
San Dimas (CA) USGS 7.5-minute Topographic Quad
Township 1 North, Range 9 West, Section 33

Acreage: Approx. 2.70 acres

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STATEMENT OF CONFIDENTIALITY

This report contains confidential cultural resources location information and distribution of this report is restricted. Cultural resources are nonrenewable, and their scientific, cultural, and aesthetic values can be significantly impaired by disturbance. To deter vandalism, artifact hunting, and other activities that can damage cultural resources, the locations of cultural resources are confidential. The legal authority to restrict cultural resources information is in subdivision (r) of Section 6254 and Section 6254.10 of the California Government Code, subdivision (d) of Section 15120 of Title 14 of the California Code of Regulations, Section 304 of the National Historic Preservation Act of 1966, as amended, and Section 9 of the Archaeological Resources Protection Act.

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EXECUTIVE SUMMARY

City of Covina Public Storage Project – Cultural Resources Assessment Report

Environmental Science Associates (ESA) has been retained by the City of Covina (City) to conduct a cultural resources assessment for the City of Covina Public Storage Project (Project). The Project proposes the development of a 141,984 square foot 3-story public self-storage building within a 2.70-acre site (Project Site). The City is the lead agency pursuant to the California Environmental Quality Act (CEQA).

A records search was conducted on December 3, 2021 by staff from the California Historical Resources Information System (CHRIS) South Central Coastal Information Center (SCCIC). The records search results indicate that one California Historical Landmark (CHL 963/P-19-187085/The Mojave Road) has been previously recorded within a 0.50-mile radius of the Project Site. However, no archaeological resources have been previously recorded within the Project Site or 0.50-mile radius.

The California Native American Heritage Commission (NAHC) conducted a Sacred Lands File (SLF) search on January 27, 2022, yielding positive results. The letter did not provide details on the resources identified within the Project Site, but recommended that the Gabrieleno Band of Mission Indians – Kizh Nation be contacted for additional information.

A desktop analysis was undertaken to assess the potential for the presence of subsurface archaeological resources within the Project Site. The review indicates the Project Site has been subject to a number of past disturbances as reflected by identification of fill material underlying the Project Site to a depth of 6 feet below ground surface. The fill material, which represents a disturbed stratum with no archaeological sensitivity is underlain by what appears to be the natural alluvium, which may have some sensitivity. Therefore, Project-related ground disturbing activities, which would extend to a maximum depth of 10 feet bgs, have no potential to encounter intact archaeological deposits to a depth of 6 feet bgs, and low to moderate sensitivity for excavations exceeding 6 feet

As the Project Site is fully developed and lacks ground surface visibility, a pedestrian survey was not conducted.

No cultural resources were identified within or immediately adjacent to the Project Site as a result of the archival research. Further, the archaeological sensitivity assessment indicates Project-related ground disturbing activities from surface down to 6 feet bgs have no potential for encountering intact archaeological deposits (based on the previous disturbances in the Project

Site), and the likelihood for encountering intact archaeological deposits below 6 feet bgs is low to moderate. Given that there is some potential, albeit low to moderate, for encountering intact subsurface archaeological deposits below depths of 6 feet bgs, Project-related ground disturbance could encounter subsurface archaeological deposits they may qualify as historical resources or unique archaeological resources pursuant to CEQA. Should subsurface archaeological deposits that qualify as historical resources or unique archaeological resources be encountered during Project implementation, they may be subject to significant impacts. As such, the recommended mitigation measures for the retention of a qualified archaeologist, cultural resources sensitivity training, and inadvertent discovery protocols are in the Conclusions and Recommendations section at the close of this report.

CITY OF COVINA PUBLIC STORAGE PROJECT

Cultural Resources Assessment Report

Introduction

Environmental Science Associates (ESA) has been retained by the City of Covina (City) to conduct a cultural resources assessment for the City of Covina Public Storage Project (Project) in support of an environmental document being prepared pursuant to the California Environmental Quality Act (CEQA). The Project proposes the development of a 141,984 square foot (sf) 3-story public self-storage building within a 2.70-acre site (Project Site). The City is the lead agency pursuant to the CEQA.

ESA personnel involved in the preparation of this report are as follows: Monica Strauss, M.A., RPA., project director; Candace Ehringer, M.A., RPA, Principal Investigator; Fatima Clark, B.A, report author; and Stephan Geissler, GIS specialist. Resumes of key personnel are included in **Appendix A**.

Project Location

The 2.70-acre Project Site is located at 1330 East Cypress Street (Assessor Parcel Number 8427-001-006) within the northeastern portion of the City in Los Angeles County, California (**Figure 1**). The Project Site is bounded by East Cypress Street to the north, the Southern Pacific Railroad to the south, and commercial uses to the east and west (**Figure 2**). The Project Site is situated within Section 33 of Township 1 North, Range 9 West on the San Dimas, CA U.S. Geological Survey (USGS) 7.5-minute topographic quadrangle (**Figure 3**).

Project Description

The Project Site is currently improved with an approximately 189,312 sf two-story commercial building occupied by "TT Electronics Power Solutions" which is used for electronics manufacturing. The remainder of the Project Site consists of asphalt-paved surface parking lots along the northern, eastern, and western portions of the Project Site.

The Project proposes the development of a 141,984 sf, 3-story public self-storage building (up to 30 feet,7 inches in height). Project components would include a partial basement, a rental office, a temporary monopole cell tower, associated secured surface parking areas, pedestrian walkways, and landscaping. Project implementation would require the removal of 16 trees. Per the City's Design Guidelines, one tree per 500 sf of landscaped area is required, resulting in 20 required trees. Ground disturbance associated with the Project will reach a maximum depth of 10 feet below ground surface (bgs).

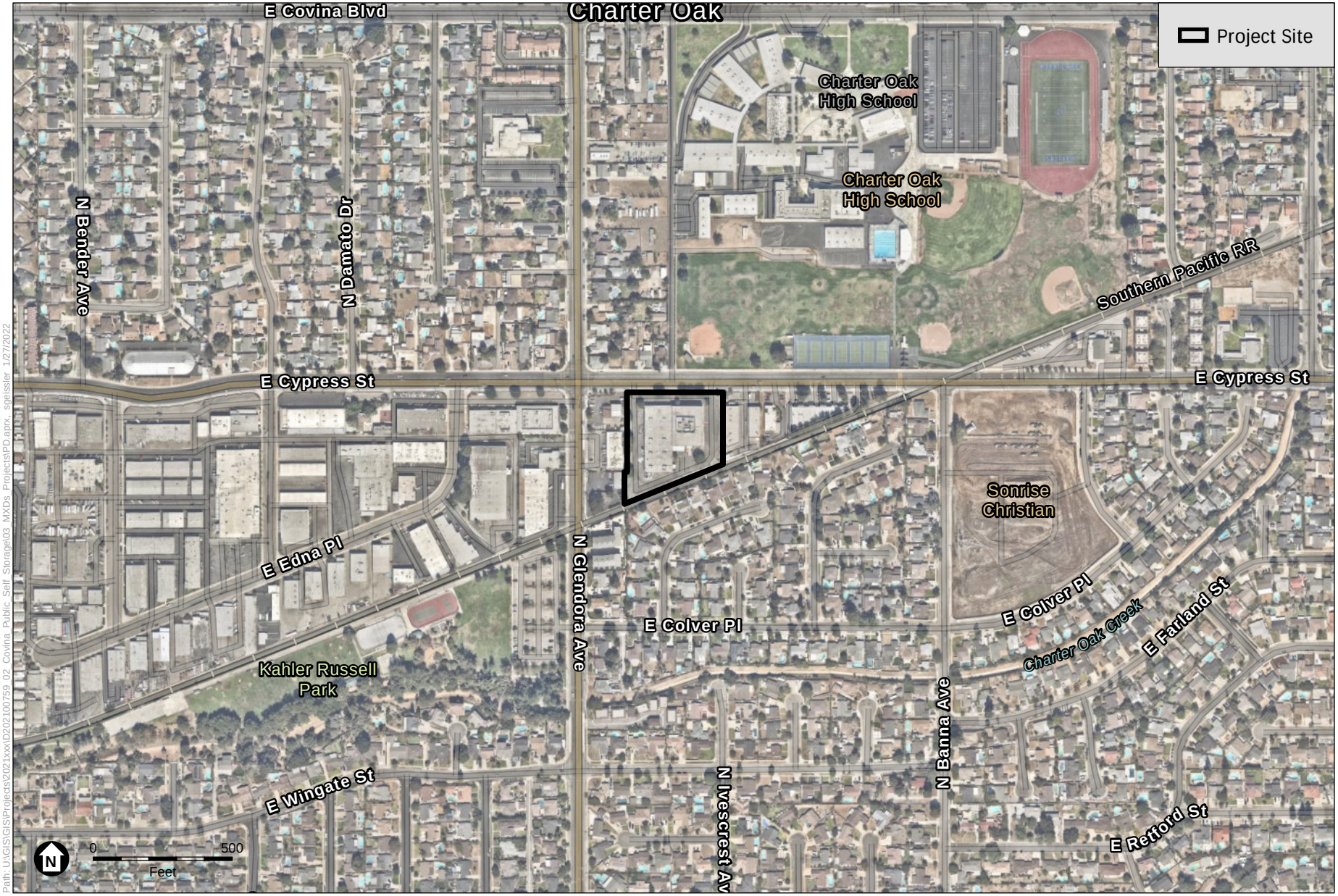


SOURCE: ESRI

City of Covina Public Storage Project

Figure 1
Regional Location Map

ESA

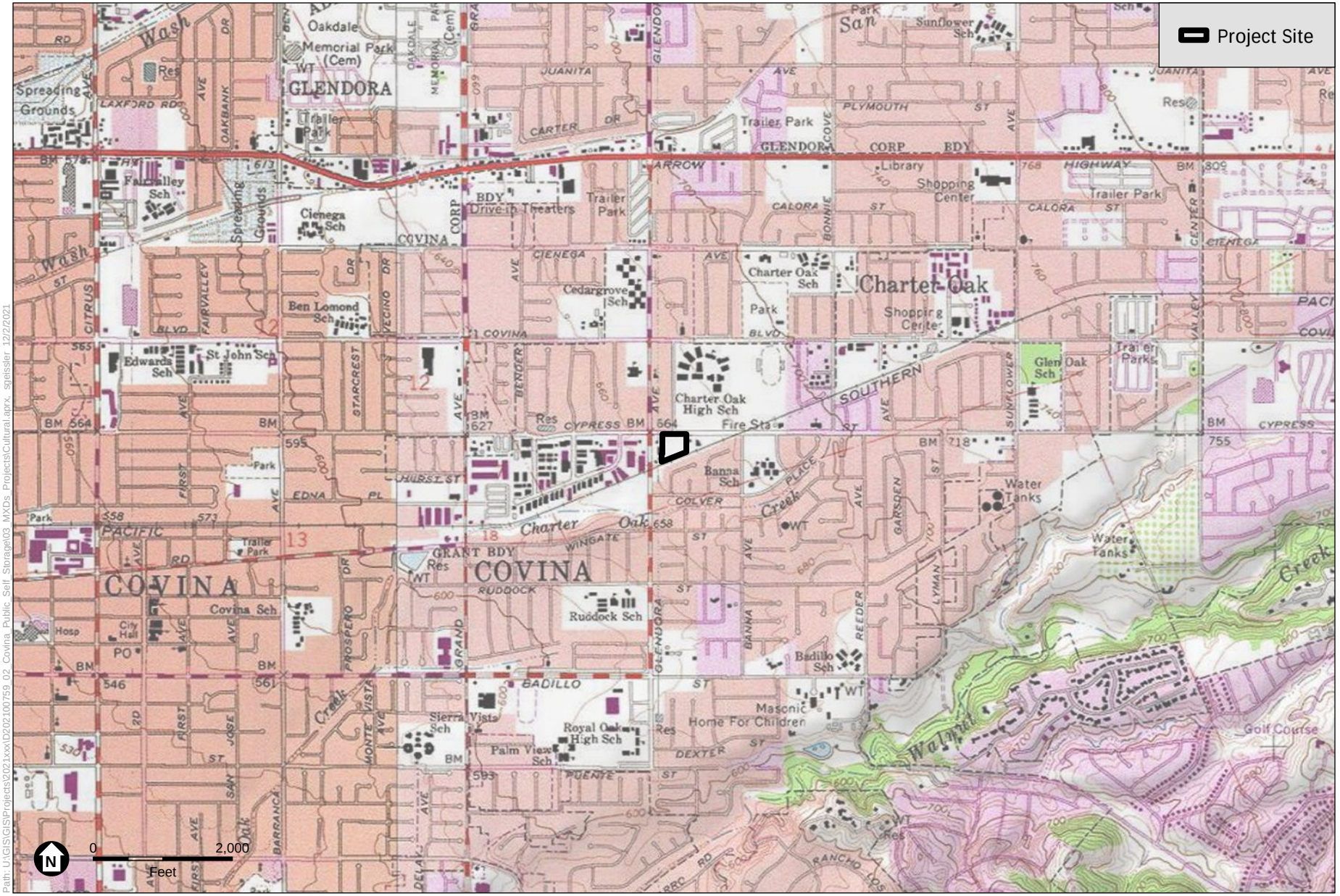


SOURCE: Mapbox, 2021

City of Covina Public Storage Project

Figure 2
Local Vicinity Map

ESA



SOURCE: USGS Topoquads: Baldwin Park, San Dimas

City of Covina Public Storage Project

Figure 3
Project Location

ESA

Setting

Prehistoric Setting

Based on recent research in the region (Douglass et al., 2016), the following prehistoric chronology has been divided into four general time periods: the Paleocoastal Period (12,000 to 8,500 Before Present [B.P.]), the Millingstone Period (8,500 to 3,000 B.P.), the Intermediate Period (3,000 to 1,000 B.P.), and the Late Period (1,000 B.P. to A.D. 1542). This chronology is manifested in the archaeological record by particular artifacts and burial practices that indicate specific technologies, economic systems, trade networks, and other aspects of culture.

Paleocoastal Period (12,000–8,500 B.P.)

While it is not certain when humans first came to California, their presence in Southern California by about 11,000 B.P. has been well documented. At Daisy Cave, on San Miguel Island, cultural remains have been radiocarbon dated to between 11,100 and 10,950 B.P. Radiocarbon dates from the Arlington Springs Woman site on Santa Rosa Island indicate a human presence in the region by about 13,000 years B.P. (Glassow et al. 2007). On the southern Channel Island of San Clemente, site SCLI-43 (Eel Point) revealed evidence of boat technology dating to around 8,000 B.P. (Cassidy et al. 2004). During this time period, the climate of Southern California became warmer and more arid and the human population, residing mainly in coastal or inland desert areas, began exploiting a wider range of plant and animal resources (Byrd and Raab, 2007).

Millingstone Period (8,500–3,000 B.P.)

This time period, known as the Millingstone Period due to the appearance of ground stone implements, is characterized by regional differentiation and adaptation to local conditions and the intensified use of ground stone (Wallace 1955). During this time period, there is evidence for the processing of acorns for food and a shift toward a more generalized economy. Millingstone cultures were characterized by the collection and processing of plant foods, particularly acorns, and the hunting of a wider variety of game animals (Byrd and Raab, 2007; Wallace, 1955). Millingstone cultures also established more permanent settlements that were located primarily on the coast and in the vicinity of estuaries, lagoons, lakes, streams, and marshes where a variety of resources, including seeds, fish, shellfish, small mammals, and birds, were exploited. Early Millingstone occupations are typically identified by the presence of handstones (manos) and millingstones (metates), while those Millingstone occupations dating later than 5,000 B.P. contain a mortar and pestle complex as well, signifying the exploitation of acorns in the region (Vellanoweth and Altschul 2002). Cogged stones (cog-shaped stones) and disocidals (stone discs) are also indicative of the Millingstone Period.

Intermediate Period (3,000–1,000 B.P.)

During this time period, many aspects of Millingstone culture persisted, but a number of socioeconomic changes occurred (Erlandson, 1994; Wallace 1955; Warren, 1968). The indigenous populations of Southern California were becoming less mobile and began to gather in small sedentary villages with satellite resource-gathering camps. Increasing population size necessitated the intensified use of existing terrestrial and marine resources (Erlandson, 1994).

Evidence indicates that the overexploitation of larger, high-ranked food resources may have led to a shift in subsistence, towards a focus on acquiring greater amounts of smaller resources, such as shellfish and small-seeded plants (Byrd and Raab, 2007). This period is characterized by increased labor specialization, expanded trading networks for both utilitarian and non-utilitarian materials, and extensive travel routes. Trade increased dramatically during this period, with asphaltum (tar), seashells, and steatite being traded from Southern California to the Great Basin. Use of the bow and arrow spread to the coast around 1,500 B.P, largely replacing the dart and atlatl (Homburg et al., 2014). Increasing population densities, with ensuing territoriality and resource intensification, may have given rise to increased disease and violence between 3,300 and 1,650 B.P. (Raab et al. 1995).

The Intermediate Period is characterized by a lack of manos, metates, and core tools, an increase in the use of mortars and pestles, and the introduction of stone-lined earthen ovens. There is a wider variety and increased numbers of projectile points, and flexed burials are common (Douglass et al., 2016).

In the Project vicinity, the population density increased, possibly as a result of the migration of eastern desert Takic peoples into the Los Angeles Basin, which is postulated to have begun by the end of the late Millingstone period and to have continued into the late Intermediate period. The Takic incursion resulted in the introduction of new material culture and mortuary practices, and an increase in genetic variation, population, number of sites, and focus on terrestrial resources. Other important local developments during this time period include organized site structure with designated areas for different types of activities, and the rise of the mourning ceremony with the ritual destruction and burial of ground stone and the deceased's personal possessions (Douglass et al., 2016).

Late Period (1,000 B.P.–A.D. 1542)

The Late Period is associated with the florescence of the Gabrielino (Gabrieleño, Tongva, or *Kizh*), who are estimated to have had a population numbering around 5,000 in the pre-contact period. The Gabrielino occupied what is presently Los Angeles County and northern Orange County, along with the southern Channel Islands, including Santa Catalina, San Nicholas, and San Clemente (Kroeber, 1925). This period saw the development of elaborate trade networks and use of shell-bead currency. Fishing became an increasingly significant part of subsistence strategies at this time, and investment in fishing technologies, including the plank canoe, are reflected in the archaeological record (Erlandson, 1994; Raab et al., 1995). Settlement at this time is believed to have consisted of dispersed family groups that revolved around a relatively limited number of permanent village settlements that were located centrally with respect to a variety of resources (Koerper et al., 2002).

Ethnographic Setting

The City is located within Gabrielino (Gabrieleño, Tongva, or *Kizh*) territory. According to Bean and Smith (1978), the Gabrielino, with the exception of the Chumash to the north, "were the wealthiest, most populous, and most powerful ethnic nationality in aboriginal Southern California." Named after the San Gabriel Mission, the Gabrielino occupied sections of Los

Angeles, Orange, and San Bernardino counties, and the islands of San Nicolas, Santa Catalina, and San Clemente. The Gabrielino subsisted on a variety of resources in several ecological zones. Acorns, sage, and yucca were gathered throughout the inland areas whereas shellfish, fish, as well as a variety of plants and animals were exploited within the marshes and along the coast. Deer and various kinds of small mammals were hunted on an opportunistic basis. Their material culture reflected the subsistence technology. Lithic tools such as arrow points and modified flakes were used to hunt and process animals. A variety of ground stone grinding implements, such as the mortar, pestle, mano, and metate, were used to process both plant and animal remains for food (Bean and Smith, 1978).

The settlement patterns of the Gabrielino, and other nearby groups such as the Juaneño and Luiseño, were similar and they often interacted through marriage, trade and warfare. The seasonal availability of water and floral and faunal resources dictated seasonal migration rounds with more permanent villages and base camps being occupied primarily during winter and spring months. In the summer months, the village populations divided into smaller units that occupied seasonal food procurement areas. The more permanent settlements tended to be near major waterways and food sources and various secular and sacred activities, such as food production and storage and tool manufacturing, were conducted at these areas (Bean and Smith, 1978).

McCawley's (1996) map titled *Gabrielino Communities Located within the San Gabriel Valley* depicts the village of *Weniinga* as located within the City's limits and north of the San Jose Hills McCawley (1996) states that an informant by the name of José Zalvidea reported the village of *Weniinga* as '"one of the place[s] where metates, etc., or anything está tirado [is discarded] as about an Indian camp."' (McCawley 1996:45). Johnston (1962) also shows that the village of *Weniinga* is located approximately 1.5 miles south of the Project Site and near a tributary (present day Walnut Creek) of the San Gabriel River.

Historic Setting

Spanish Period (1769-1821)

The first European exploration of the area began in 1542 when Spanish explorer Juan Rodriguez Cabrillo arrived by sea during his navigation of the California coast. Sebastian Vizcaino arrived in 1602 during his expedition to explore and map the western coast that Cabrillo visited 60 years earlier. In 1769, the Gaspar de Portolá expedition passed through the region on its way from San Diego to the San Francisco Bay area (McCawley, 1996).

In the late 18th century, the Spanish began establishing missions in California and forcibly relocating and converting native peoples. Mission San Juan Capistrano, located approximately 42 miles southeast of the Project Site, was founded in 1776 to break the long journey from Mission San Diego to Mission San Gabriel (near Los Angeles). A large, ornate church was constructed at the mission between 1797 to 1806, but was destroyed only six years later in an earthquake and was not rebuilt (Hoover et al., 2002). Throughout California, the mission system took a toll on the native populations through disease and hard labor; by 1900, the Native Californian population had declined by over 90 percent (Cook, 1978). Native economies were disrupted, trade routes were interrupted, and native ways of life were significantly altered by the mission system.

In an effort to promote Spanish settlement of Alta California, Spain granted several large land concessions from 1784 to 1821. At that time, Spain retained title to the land; individual ownership of lands in Alta California was not granted (State Lands Commission, 1982).

Mexican Period (1821-1846)

The Mexican Period began when Mexico won its independence from Spain in 1821. Mexico continued to promote settlement of California with the issuance of land grants. In 1833, Mexico began the process of secularizing the missions, reclaiming the majority of mission lands and redistributing them as land grants. According to the terms of the Secularization Law of 1833 and Regulations of 1834, at least a portion of the lands would be returned to the Native populations, but this did not always occur (Milliken et al., 2009).

Many ranchos continued to be used for cattle grazing by settlers during the Mexican Period. Hides and tallow from cattle became a major export for Californios (native Hispanic Californians), many of whom became wealthy and prominent members of society. The Californios led generally easy lives, leaving the hard work to vaqueros (Hispanic cowhands) and Indian laborers (Pitt, 1994; Starr, 2007).

American Period (1846 to present)

In 1846, the Mexican-American War broke out. Mexican forces were eventually defeated in 1847 and Mexico ceded California to the United States as part of the Treaty of Guadalupe Hildalgo in 1848. California officially became one of the United States in 1850. While the treaty recognized the right of Mexican citizens to retain ownership of land granted to them by Spanish or Mexican authorities, the claimant was required to prove their right to the land before a patent was given. The process was lengthy and generally resulted in the claimant losing at least a portion of their land to attorney's fees and other costs associated with proving ownership (Starr, 2007).

When the discovery of gold in northern California was announced in 1848, a huge influx of people from other parts of North America flooded into California. The increased population provided an additional outlet for the Californios' cattle. As demand increased, the price of beef skyrocketed and Californios reaped the benefits. However, a devastating flood in 1861, followed by droughts in 1862 and 1864, led to a rapid decline of the cattle industry, with over 70 percent of cattle perishing (McWilliams, 1946; Dinkelspiel, 2008). This event, coupled with the burden of proving ownership of their lands, caused many Californios to lose their lands (McWilliams, 1946).

The first transcontinental railroad, the Southern Pacific Railroad, was completed in 1869, connecting San Francisco with the eastern United States. Newcomers poured into northern California and Southern California experienced a trickle-down effect as many of these newcomers made their way south. The line was extended from San Francisco to Los Angeles in 1876. The second transcontinental line, the Santa Fe, was completed in 1886 and caused a fare war, driving fares to an unprecedented low. Settlers flooded into the region and the demand for real estate skyrocketed, and many former ranchos were subdivided and sold for agriculture and residential settlement (Meyer, 1981; McWilliams, 1946). Originally part of Los Angeles County.

Orange County was established in 1889, with the City of Santa Ana as County Seat (Armor, 1921).

City of Covina

The City of Covina had its early beginnings as a coffee plantation in Rancho La Puente. The land was purchased from the Mexican government by John Rowland, and later shared with his partner William Workman. Upon Rowland's death, his widow (Charlotte) sold 5,500 acres to Julian and Antonio Badillo. Two thousand acres of the Badillo land were later sold to Joseph Swift Phillips, who subdivided the land to create the town of Covina. In 1885, Phillips opened his tract. After the Civil War, more people began to arrive to the East San Gabriel Valley (Town Square Publications 2022). Some purchased land from Phillips or Henry Dalton. These early pioneers worked vigorously to clear the land from cacti, giant sunflowers and caster beans in order to build a farming community. Phillips brought water to his tract by constructing a ditch from San Gabriel Canyon to the City. Daniel Houser, inventor of the combined harvester, assisted with paying for the ditch (Town Square Publications 2022).

In 1895, the Southern Pacific Railroad (SPRR) arrived at the City and an opera house was built across from the depot (Town Square Publications 2022). By 1901, the City was flourishing due to the success of the citrus industry. New buildings including banks, stores and restaurants were built along Citrus Avenue. The Covina Electric Light Company also started service in 1901. On August 3, 1901 Covina (after voters petitioned the Los Angeles County Board of Supervisors for incorporation) became a City. Prior to 1900, the Covina Country Club (at Second Avenue and San Bernardino Road) located approximately 1.6 miles northwest of the Project Site, functioned as an unofficial Chamber of Commerce where community leaders, exchanged news, ideas and worked on community projects. "After several unsuccessful attempts to start a Chamber of Commerce, the doors were opened in 1909 to a new Chamber office on Citrus. After World War I, the Chamber of Commerce was re-organized to include farmers and business members" (Town Square Publications 2022).

After World War II, the citrus industry faded due to a virus that attached to the trees causing them to die quickly. Some growers lost large portions of their groves, or were faced with pressure from contractors to sell their land for residential subdivisions. Yet others had to pay residential taxes on their farmland, as there was no green belt zoning. Due to the variables, eventually all of the citrus industry diminished in Covina. Throughout the years, the economy of the East San Gabriel Valley became more urbanized. Today, the City focuses in retail, manufacturing and high-tech industries (Town Square Publications 2022).

Regulatory Framework

State

California Environmental Quality Act

CEQA is the principal statute governing environmental review of projects occurring in the state and is codified at *Public Resources Code (PRC) Section 21000 et seq.* CEQA requires lead agencies to determine if a proposed project would have a significant effect on the environment,

including significant effects on historical or unique archaeological resources. Under CEQA (Section 21084.1), a project that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment.

The *CEQA Guidelines* (Title 14 California Code of Regulations [CCR] Section 15064.5) recognize that historical resources include: (1) a resource listed in, or determined to be eligible by the State Historical Resources Commission, for listing in the California Register of Historical Resources (California Register); (2) a resource included in a local register of historical resources, as defined in PRC Section 5020.1(k) or identified as significant in a historical resource survey meeting the requirements of PRC Section 5024.1(g); and (3) any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California by the lead agency, provided the lead agency's determination is supported by substantial evidence in light of the whole record. The fact that a resource does not meet the three criteria outlined above does not preclude the lead agency from determining that the resource may be an historical resource as defined in PRC Sections 5020.1(j) or 5024.1.

If a lead agency determines that an archaeological site is a historical resource, the provisions of Section 21084.1 of CEQA and Section 15064.5 of the *CEQA Guidelines* apply. If an archaeological site does not meet the criteria for a historical resource contained in the *CEQA Guidelines*, then the site may be treated in accordance with the provisions of Section 21083, which is as a unique archaeological resource. As defined in Section 21083.2 of CEQA a "unique" archaeological resource is an archaeological artifact, object, or site, about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

- Contains information needed to answer important scientific research questions and there is a demonstrable public interest in that information;
- Has a special and particular quality such as being the oldest of its type or the best available example of its type; or,
- Is directly associated with a scientifically recognized important prehistoric or historic event or person.

If an archaeological site meets the criteria for a unique archaeological resource as defined in Section 21083.2, then the site is to be treated in accordance with the provisions of Section 21083.2, which state that if the lead agency determines that a project would have a significant effect on unique archaeological resources, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place (Section 21083.1(a)). If preservation in place is not feasible, mitigation measures shall be required. The *CEQA Guidelines* note that if an archaeological resource is neither a unique archaeological nor a historical resource, the effects of the project on those resources shall not be considered a significant effect on the environment (*CEQA Guidelines* Section 15064.5(c)(4)).

A significant effect under CEQA would occur if a project results in a substantial adverse change in the significance of a historical resource as defined in *CEQA Guidelines* Section 15064.5(a). Substantial adverse change is defined as "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of a historical resource would be materially impaired" (*CEQA Guidelines* Section 15064.5(b)(1)). According to *CEQA Guidelines* Section 15064.5(b)(2), the significance of a historical resource is materially impaired when a project demolishes or materially alters in an adverse manner those physical characteristics that:

A. Convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or

B. Account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in a historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or

C. Convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a Lead Agency for purposes of CEQA.

In general, a project that complies with the *Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings* (Standards) (Grimmer, 2017) is considered to have mitigated its impacts to historical resources to a less-than-significant level (*CEQA Guidelines* Section 15064.5(b)(3)).

California Register of Historical Resources

The California Register is "an authoritative listing and guide to be used by State and local agencies, private groups, and citizens in identifying the existing historical resources of the State and to indicate which resources deserve to be protected, to the extent prudent and feasible, from substantial adverse change" (PRC Section 5024.1[a]). The criteria for eligibility for the California Register are based upon National Register criteria (PRC Section 5024.1[b]). Certain resources are determined by the statute to be automatically included in the California Register, including California properties formally determined eligible for, or listed in, the National Register.

To be eligible for the California Register, a prehistoric or historic-period property must be significant at the local, state, and/or federal level under one or more of the following four criteria:

1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
2. Is associated with the lives of persons important in our past;
3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
4. Has yielded, or may be likely to yield, information important in prehistory or history.

A resource eligible for the California Register must meet one of the criteria of significance described above, and retain enough of its historic character or appearance (integrity) to be recognizable as a historical resource and to convey the reason for its significance. It is possible that a historic resource may not retain sufficient integrity to meet the criteria for listing in the National Register, but it may still be eligible for listing in the California Register.

Additionally, the California Register consists of resources that are listed automatically and those that must be nominated through an application and public hearing process. The California Register automatically includes the following:

- California properties listed on the National Register and those formally determined eligible for the National Register;
- California Registered Historical Landmarks from No. 770 onward; and,
- Those California Points of Historical Interest that have been evaluated by the OHP and have been recommended to the State Historical Commission for inclusion on the California Register.

Other resources that may be nominated to the California Register include:

- Historical resources with a significance rating of Category 3 through 5 (those properties identified as eligible for listing in the National Register, the California Register, and/or a local jurisdiction register);
- Individual historical resources;
- Historical resources contributing to historic districts; and,
- Historical resources designated or listed as local landmarks, or designated under any local ordinance, such as an historic preservation overlay zone.

California Health and Safety Code Section 7050.5

California Health and Safety Code Section 7050.5 requires that in the event human remains are discovered, the County Coroner be contacted to determine the nature of the remains. In the event the remains are determined to be Native American in origin, the Coroner is required to contact the NAHC within 24 hours to relinquish jurisdiction.

California Public Resources Code Section 5097.98

California PRC Section 5097.98, as amended, provides procedures in the event human remains of Native American origin are discovered during project implementation. PRC Section 5097.98 requires that no further disturbances occur in the immediate vicinity of the discovery, that the discovery is adequately protected according to generally accepted cultural and archaeological standards, and that further activities take into account the possibility of multiple burials. PRC Section 5097.98 further requires the NAHC, upon notification by a County Coroner, designate and notify a Most Likely Descendant (MLD) regarding the discovery of Native American human remains. The MLD has 48 hours from the time of being granted access to the site by the landowner to inspect the discovery and provide recommendations to the landowner for the treatment of the human remains and any associated grave goods.

In the event that no descendant is identified, or the descendant fails to make a recommendation for disposition, or if the land owner rejects the recommendation of the descendant, the landowner may, with appropriate dignity, reinter the remains and burial items on the property in a location that will not be subject to further disturbance.

California Government Code Sections 6254(r) and 6254.10

These sections of the California Public Records Act were enacted to protect archaeological sites from unauthorized excavation, looting, or vandalism. Section 6254(r) explicitly authorizes public agencies to withhold information from the public relating to "Native American graves, cemeteries, and sacred places maintained by the Native American Heritage Commission." Section 6254.10 specifically exempts from disclosure requests for "records that relate to archaeological site information and reports, maintained by, or in the possession of the Department of Parks and Recreation, the State Historical Resources Commission, the State Lands Commission, the Native American Heritage Commission, another state agency, or a local agency, including the records that the agency obtains through a consultation process between a Native American tribe and a state or local agency."

Assembly Bill 52 and Related Public Resources Code Sections

Assembly Bill (AB) 52 was approved by California State Governor Edmund Gerry "Jerry" Brown, Jr. on September 25, 2014. The act amended California PRC Section 5097.94, and added PRC Sections 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2, and 21084.3. AB 52 applies specifically to projects for which a Notice of Preparation (NOP) or a Notice of Intent to Adopt a Negative Declaration or Mitigated Negative Declaration (MND) will be filed on or after July 1, 2015. The primary intent of AB 52 was to include California Native American Tribes early in the environmental review process and to establish a new category of resources related to Native Americans that require consideration under CEQA, known as tribal cultural resources. PRC Section 21074(a)(1) and (2) defines tribal cultural resources as "sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American Tribe" that are either included or determined to be eligible for inclusion in the California Register or included in a local register of historical resources, or a resource that is determined to be a tribal cultural resource by a lead agency, in its discretion and supported by substantial evidence. On July 30, 2016, the California Natural Resources Agency adopted the final text for tribal cultural resources update to Appendix G of the CEQA Guidelines, which was approved by the Office of Administrative Law on September 27, 2016.

PRC Section 21080.3.1 requires that within 14 days of a lead agency determining that an application for a project is complete, or a decision by a public agency to undertake a project, the lead agency provide formal notification to the designated contact, or a tribal representative, of California Native American Tribes that are traditionally and culturally affiliated with the geographic area of the project (as defined in PRC Section 21073) and who have requested in writing to be informed by the lead agency (PRC Section 21080.3.1(b)). Tribes interested in consultation must respond in writing within 30 days from receipt of the lead agency's formal notification and the lead agency must begin consultation within 30 days of receiving the tribe's request for consultation (PRC Sections 21080.3.1(d) and 21080.3.1(e)).

PRC Section 21080.3.2(a) identifies the following as potential consultation discussion topics: the type of environmental review necessary; the significance of tribal cultural resources; the significance of the project's impacts on the tribal cultural resources; project alternatives or appropriate measures for preservation; and mitigation measures. Consultation is considered concluded when either: (1) the parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or (2) a party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached (PRC Section 21080.3.2(b)).

If a California Native American tribe has requested consultation pursuant to Section 21080.3.1 and has failed to provide comments to the lead agency, or otherwise failed to engage in the consultation process, or if the lead agency has complied with Section 21080.3.1(d) and the California Native American tribe has failed to request consultation within 30 days, the lead agency may certify an EIR or adopt an MND (PRC Section 21082.3(d)(2) and (3)).

PRC Section 21082.3(c)(1) states that any information, including, but not limited to, the location, description, and use of the tribal cultural resources, that is submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public without the prior consent of the tribe that provided the information. If the lead agency publishes any information submitted by a California Native American tribe during the consultation or environmental review process, that information shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public.

Local

Los Angeles County General Plan

The City does not include any goals or policies for the protection of archaeological resources. However, the Conservation and Natural Resources Element (the Element) of the Los Angeles County General Plan indicates that "Historic, cultural, and paleontological resources are an important part of Los Angeles County's identity" (Los Angeles County General Plan, 2015:163). The Element provides the following goal and policies for the treatment of historic resources:

Goal C/NR 14: Protected historic, cultural, and paleontological resources.

Policy C/NR 14.1: Mitigate all impacts from new development on or adjacent to historic, cultural, and paleontological resources to the greatest extent feasible.

Policy C/NR 14.2: Support an inter-jurisdictional collaborative system that protects and enhances historic, cultural, and paleontological resources.

Policy C/NR 14.3: Support the preservation and rehabilitation of historic buildings.

Policy C/NR 14.5: Promote public awareness of historic, cultural, and paleontological resources.

Policy C/NR 14.6: Ensure proper notification and recovery processes are carried out for development on or near historic, cultural, and paleontological resources.

Archival Research

SCCIC Records Search

A records search for the Project Site was conducted on December 3, 2021 by staff at the California Historical Resources Information System (CHRIS) South Central Coastal Information Center (SCCIC) housed at California State University, Fullerton. The records search included a review of all recorded cultural resources and previous studies within the Project Site and a 0.50-mile radius. The Built Environment Resources Directory was also reviewed for resources within a one-block radius around the Project Site.

Previous Cultural Resources Investigations

The records search results indicate that four cultural resources studies have been conducted within a 0.50-mile radius of the Project Site. Less than 5 percent of the 0.50-mile records search radius has been included in previous cultural resources surveys. Of the four previous studies, one study (LA-5725) was conducted within the Project Site and one study (LA-10641) was conducted immediately adjacent and south of the Project Site. The two studies are described in detail in the following paragraphs.

LA-5725

Study LA-5725 consisted of a cultural resources assessment prepared pursuant to Section 106 of the National Historic Preservation Act for the *Cingular Wireless Facility No. Vy 095-01 Project*, which proposed the installation of a telecommunications facility (panel antennas and microwave dishes) atop the existing building within the Project Site. The study determined the building is modern and that no historic properties exist within the Project Site (LSA Associates, Inc. 2001).

LA-10641

Study LA-10641 consisted of a preliminary historical/archaeological resources study for the Southern California Regional Rail Authority's proposed *San Bernardino Line Positive Train Control Project* and included 56.2 miles of railroad right-of-way beginning at Los Angeles Union Station and extending eastward through the San Gabriel and San Bernardino valleys. The study included an SCCIC records search, historical background research, a field reconnaissance, and Native American coordination. No cultural resources were identified within the Project Site as a result of the study (Tang 2010).

Previously Recorded Cultural Resources

The records search results indicate that only one cultural resources, California Historical P-19-187085 (The Mojave Road; California Historical Landmark 963) has been previously recorded within the 0.50-mile records search radius. No cultural resources have been previously recorded within or immediately adjacent to (within 100 feet of) the Project Site.

Sacred Lands File Search

The California Native American Heritage Commission (NAHC) maintains a confidential Sacred Lands File (SLF) which contains sites of traditional, cultural, or religious value to the Native American community. The NAHC was contacted on December 3, 2021 to request a search of the SLF. The NAHC responded to the request in a letter dated January 27, 2022 indicating that the results were positive (**Appendix B**). The letter did not provide details on the resources identified within the Project Site, but recommended that the Gabrieleno Band of Mission Indians – Kizh Nation be contacted for additional information.

Historic Maps and Aerial Photographs

Historic topographic maps and aerial photographs were examined to provide historical information about land uses of the Project Site and to contribute to an assessment of the Project Site's archaeological sensitivity. Available topographic maps include the 1894 Pomona 15-minute quadrangle and the 1927 Covina 7.5-minute quadrangle (TopoViewer, 2021). Historic aerial photographs were acquired from the *Phase I Environmental Site Assessment* prepared for the Project and were available for the years 1928, 1938, 1948, 1952, 1960, 1964, 1972, 1980, 1988, 1995, 2002, 2005, 2010, 2012, 2014, 2016, 2018, 2020 (Apex Companies, LLC, 2021), and 2022 (Bing Maps, 2022).

Review of the 1894 historic topographic map shows the Project Site as undeveloped; however, the Covina Branch of the SPRR is depicted immediately south and adjacent to the Project Site. Additionally, several bodies of water are depicted in the Project Site's vicinity, including the Covina Canal approximately 0.40 miles to the west, San Dimas Wash (a tributary of the San Gabriel River) approximately 0.80 miles to the north, Walnut Creek approximately 0.90 miles to the south, and the Azusa Canal approximately 1.15 miles to the west. The San Jose Hills are depicted approximately 1.15 miles to the south of the Project Site.

The 1927 historic topographic also shows the SPRR adjacent to the Project Site, as well as a small structure not depicted in the 1894 map located in the northwestern most portion of the Project Site. Moreover, an unnamed drainage is shown approximately 0.10 miles south of the Project Site. The structure depicted in the 1927 map is also depicted in the 1928, 1938, 1948, 1952 aerial photographs Aside from the structure, the photographs also show orchards within the Project Site and in its immediate vicinity. The 1960 aerial photograph shows the encroachment of urban development as the previously depicted orchards northwest and west have been replaced with suburban development. The 1964 and 1972 aerial photographs show the previously depicted structure and orchards within the Project Site are no longer present. The 1980 aerial photograph shows the eastern portion of the Project Site as undeveloped, while the western side is developed with a long rectangular building. The 1988, 1995, 2002, 2005, 2010, 2012, 2014, 2016, 2018, 2020, and 2022 aerial photographs depict the Project Site in its present condition, in that the existing buildings and a surface parking lot are present.

In sum, the historic aerial and photograph review indicates a structure and orchards were present within the Project Site from 1927 through the early 1960s. Starting in the early 1960s, the maps show the Project Site and its vicinity were subject to suburban development which began to

replace the orchards. It is during this time that the structure and orchards depicted within the Project Site are no longer present. By the late 1980s the current buildings and parking lot within the Project Site are depicted.

Archaeological Sensitivity Assessment

A desktop analysis was undertaken to assess the potential for the presence of subsurface archaeological resources within the Project Site. Sources reviewed include the geologic map encompassing the Project Site, the *Geotechnical Engineering Exploration and Analysis* report (Geotechnical Report) prepared for the Project, and historic map and aerial review.

Geology

The greater Los Angeles area comprises a set of tectonically-bound basins, filled with very thick sequences of marine and terrestrial sediment (Yerkes et al., 1965). The uplifted mountain ranges surround these basins are composed of bedrock of various ages and supply the sediment to the valleys below. The rates of erosion and deposition are linked to tectonic uplift as well as climate patterns. The Project Site is located within what is known as the "Northeastern Block", a depositional basin bounded on the north by the Sierra Madre and San Gabriel Mountains (Yerkes et al. 1965). Just south of the Project, the San Jose Hills rise as a folded anticline, dividing the valley. The Project Site itself is underlain by alluvium eroded off the San Jose Hills and the San Gabriel Mountains. Geologic mapping by Dibblee and Minch (2002) shows the alluvial influence with Holocene-age (11,700 years ago to present) Quaternary alluvium (map unit Qa) mapped at surface within the Project Site, and late Pleistocene-ages (126,000 to 11,700 years ago) Quaternary older alluvium (map unit Qoa) mapped approximately 0.20 miles southeast of the Project Site. Given the proximity of the Quaternary older alluvium to the Project Site it is presumed to underlie the younger Quaternary alluvium at an unknown depth. Both the late Pleistocene and Holocene eras encompass the entirety of human occupation with North America.

Geotechnical Report

The Geotechnical Report prepared for the Project included eight exploratory borings within the Project Site to a maximum depth of 36.5 feet below the ground surface (bgs) (Giles Engineering Associates, 2021). Beneath the paved surface of the Project Site, the geotechnical study identified "possible fill and fill soils" comprised of silty sand with gravel to a depth of 6 feet bgs followed by unlithified brown silty sand to sand, with some gravels and cobbles corresponding to the Quaternary alluvium.

Archaeological Sensitivity

The geologic map review depicts Quaternary alluvium mapped at surface within the Project Site. The Holocene-age of this alluvium encompasses the entirety of human occupation with North American, and is, therefore, conducive to the preservation of subsurface prehistoric archaeological deposits. Moreover, several water sources located in the general vicinity of the Project Site would indicate a degree of sensitivity for the presence of prehistoric subsurface archaeological deposits.

Similarly, the Project Site would have potential for historic-period archaeological deposits given that, from as early as 1927 through the early 1960s, it was the site of an orchard and with an associated structure, which may have been a residence. It is possible that there may be subsurface historic-period archaeological refuse deposits, such as privies, or foundation remnants representing the historic-period use of the Project Site.

Although there is potential for the presence of subsurface prehistoric and historic-period archaeological deposits, the Project Site has been subject to a number of previous disturbances as indicated by the historic map and aerial review. The establishment of the orchard during the 20th century would have required a high degree of ground disturbance associated with leveling the landform, as well as the planting of trees. Further, the multiple construction episodes beginning in the 1960s, which have resulted in the Project Site's current setting as a paved and developed commercial area, would have also required a high degree of ground disturbances. These disturbances are reflected by the geotechnical study's identification of fill material to a depth of 6 feet bgs. The fill material, which represents a disturbed stratum with no archaeological sensitivity is underlain by what appears to be the natural alluvium, which may have some sensitivity. Therefore, Project-related ground disturbing activities, which would extend to a maximum depth of 10 feet bgs, have no potential to encounter intact archaeological deposits to a depth of 6 feet bgs, and low to moderate sensitivity for excavations exceeding 6 feet.

Archaeological Resources Survey

Given the developed nature of the Project Site and the lack of visible ground surface, an archaeological resources survey for the Project was not conducted

Conclusions and Recommendations

No cultural resources were identified within or immediately adjacent to the Project Site as a result of the archival research. Further, the archaeological sensitivity assessment indicates Project-related ground disturbing activities from surface down to 6 feet bgs have no potential for encountering intact archaeological deposits (based on the previous disturbances in the Project Site), and the likelihood for encountering intact archaeological deposits below 6 feet bgs is low to moderate. Given that there is some potential, albeit low to moderate, for encountering intact subsurface archaeological deposits below depths of 6 feet bgs, Project-related ground disturbance could encounter subsurface archaeological deposits they may qualify as historical resources or unique archaeological resources pursuant to CEQA. Should subsurface archaeological deposits that qualify as historical resources or unique archaeological resources be encountered during Project implementation, they may be subject to significant impacts. As such, the following recommended mitigation measures for the retention of a qualified archaeologist, cultural resources sensitivity training, and inadvertent discovery protocols are provided below.

> **Mitigation Measure CUL-1**: Prior to the start of ground-disturbing activities, the Applicant shall retain a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (U.S. Department of the Interior, 2012) to carry out the following measures.

Mitigation Measure CUL-2: Prior to the start of ground-disturbing activities, construction personnel shall be trained in the identification of cultural resources. Prior to earth moving activities, the qualified archaeologist shall conduct cultural resources sensitivity training for all construction personnel. Construction personnel shall be informed of the types of archaeological resources that may be encountered, and of the proper procedures be to enacted in the event of an inadvertent discovery of archaeological resources or human remains. The Applicant shall ensure that construction personnel are made available for and attend the training and retain documentation demonstrating attendance

Mitigation Measure CUL-3: In the event of the unanticipated discovery of archaeological materials, the contractor shall immediately cease all work activities in the area (within approximately 100 feet) of the discovery until it can be evaluated by a qualified archaeologist. Prehistoric archaeological materials might include obsidian and chert flaked-stone tools (e.g., projectile points, knives, scrapers) or tool-making debris; culturally darkened soil ("midden") containing heat-affected rocks, artifacts, or shellfish remains; and stone milling equipment (e.g., mortars, pestles, handstones, or milling slabs); and battered stone tools, such as hammerstones and pitted stones. Historic-period materials might include stone or concrete footings and walls; filled wells or privies; and deposits of metal, glass, and/or ceramic refuse. Construction shall not resume until the qualified archaeologist has conferred with the City on the significance of the resource.

If it is determined that the discovered archaeological resource constitutes a historical resource under CEQA, avoidance and preservation in place is the preferred manner of mitigation. Preservation in place maintains the important relationship between artifacts and their archaeological context and also serves to avoid conflict with traditional and religious values of groups who may ascribe meaning to the resource. Preservation in place may be accomplished by, but is not limited to, avoidance, incorporating the resource into open space, capping, or deeding the site into a permanent conservation easement. In the event that preservation in place is demonstrated to be infeasible and data recovery through excavation is the only feasible mitigation available, a Cultural Resources Treatment Plan shall be prepared and implemented by a qualified archaeologist in consultation with the City and Applicant that provides for the adequate recovery of the scientifically consequential information contained in the archaeological resource. The City shall consult with appropriate Native American representatives in determining treatment for prehistoric or Native American resources to ensure cultural values ascribed to the resource, beyond that which is scientifically important, are considered.

Mitigation Measure CUL-4: If human remains are encountered, the contractor shall halt work in the vicinity (within 100 feet) of the find and contact the Los Angeles County Coroner in accordance with PRC Section 5097.98 and Health and Safety Code Section 7050.5. If the County Coroner determines that the remains are Native American, the California Native American Heritage Commission (NAHC) will be notified in accordance with Health and Safety Code Section 7050.5, subdivision (c), and PRC Section 5097.98 (as amended by Assembly Bill 2641). The NAHC will designate a Most Likely Descendent (MLD) for the remains per PRC Section 5097.98. Until the landowner has conferred with the MLD, the contractor shall ensure that the immediate vicinity where the discovery occurred is not disturbed by further activity, is adequately protected according to generally accepted cultural or archaeological standards or practices, and that further activities take into account the possibility of multiple burials.

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Appendix A
Personnel



Monica Strauss, RPA

Director, Southern California Cultural Resources Group

EDUCATION

M.A., Archaeology, California State University, Northridge

B.A., Anthropology, California State University, Northridge

AA, Humanities, Los Angeles Pierce College

19 YEARS EXPERIENCE

SPECIALIZED EXPERIENCE

Treatment of Historic and Prehistoric Human Remains

Archaeological Monitoring

Complex Shell Midden Sites

Groundstone Analysis

PROFESSIONAL AFFILIATIONS

Register of Professional Archaeologists (RPA), #12805

Society for California Archaeology (SCA)

Society for American Archaeology (SAA)

QUALIFICATIONS

Exceeds Secretary of Interior Standards

CA State BLM Permitted

Monica has successfully completed dozens of cultural resources projects throughout California and the greater southwest, where she assists clients in navigating cultural resources compliance issues in the context of CEQA, NEPA, and Section 106. Monica has extensive experience with archaeological resources, historic buildings and infrastructure, landscapes, and Tribal resources, including Traditional Cultural Properties. Monica manages a staff of cultural resources specialists throughout the region who conduct Phase 1 archaeological/ paleontological and historic architectural surveys, construction monitoring, Native American consultation, archaeological testing and treatment, historic resource significance evaluations, and large-scale data recovery programs. She maintains excellent relationships with agency staff and Tribal representatives. Additionally, Monica manages a general compliance monitoring team who support clients and agencies in ensuring the daily in-field compliance of overall project mitigation measures.

Relevant Experience

County of Los Angeles, Department of Public Works, Rancho Los Amigos South Campus EIR, Downey. CA. *Project Manager*. The County of Los Angeles (County) proposes redevelopment of a portion of the Rancho Los Amigos (RLA) South Campus which is located in the City of Downey. The 74-acre RLA South Campus was the home of the "Los Angeles County Poor Farm" that was established in 1880s to provide room and board to indigent citizens in exchange for agricultural labor, then served as an infirmary and later evolved into a hospital facility in 1932. The RLA South Campus functioned as a major hospital complex from 1956 to the 1990s, when it was abandoned. The RLA South Campus is currently unoccupied and has been designated as the RLA Historic District in the National Register of Historic Places. The County is proposing redevelopment of a 21-acre portion of the RLA South Campus with County uses, including a Sheriff's Station Crime Laboratory, Internal Services Department Headquarters, and Probation Department Headquarters. The project will include supporting parking and installation of utilities and other features on a site that has been abandoned for nearly 30 years. Building demolition and/or repurposing or relocation of existing buildings will be required. ESA is leading the CEQA process on behalf of the County, including preparation of all technical studies in support of a full-scope EIR for the RLA South Campus Project. This includes a Historic District Evaluation, archaeological surveys, traffic, water supply, arborist services, and all other CEQA-required topics. ESA is also serving in an Executive Consultant role to the County, to advise on other potential future projects at the RLA Campus.

County of Los Angeles, Department of Public Works, Arroyo Seco Bike Path Phase I Cultural Resources Evaluation, Los Angeles, CA. *Project Director.* Working for the County of Los Angeles, Department of Public Works in connection with a project to make improvements to the Arroyo Seco Channel, Monica

managed all aspects of Section 106 review in accordance with Caltrans Cultural Resources Environmental guidelines. Monica and her team evaluated the Arroyo Seco Channel, identified character-defining features, informed the design of channel improvements to retain such features, and addressed the channels' potential for eligibility as part of a larger Los Angeles Country water management district. She developed the research strategy, directed the field teams, and prepared cultural resources assessment documentation for approval by Caltrans and FHWA, as well as the cultural resources section for a Mitigated Negative Declaration.

Los Angeles Department of Water and Power La Kretz Innovation Campus, Los Angeles County, CA. *Project Director.* The project involved the rehabilitation of the 61,000-square-foot building located at 518-524 Colyton Street, demolition of the building located at 537-551 Hewitt Street, and construction of an open space public plaza and surface parking lot, and involved compliance with Section 106 of the National Historic Preservation Act and consultation with the California State Historic Preservation Officer. ESA is providing archaeological monitoring and data recovery services and is assisting LADWP with meeting their requirements for Section 106 of the National Historic Preservation Act. Monica is providing oversight to archaeological monitors and crew conducting resource data recovery and laboratory analysis, and is providing guidance to LADWP on meeting Section 106 requirements.

Los Angeles Unified School District (LAUSD) Florence Nightingale Middle School Historic Architectural Review, Los Angeles County, CA. *Cultural Resources Project Director*. Monica managed the historical analysis of the LAUSD Florence Nightingale Middle School. The analysis included a cultural resources survey that photo-documented buildings that would be affected by the project. The project includes HVAC replacement to a 1967 Classroom Buildings, kitchen upgrades within the 1937 Domestic Science/Cafeteria Building, and improvements to the 1965 chiller yard. Florence Nightingale Middle School was previously recommended eligible for listing in the California Register.

Viewpoint School, Tennis Courts and Park, Calabasas, CA. *Cultural Resources Project Director.* ESA is working with the City of Calabasas to prepare an IS/MND to support the development of the proposed Viewpoint School Tennis Courts and Parking Lots project, which includes the development of three sites (Peters, Brown, and Castle Oak) that would become part of the school campus property. Improvements entail installation of six tennis courts (including an accessory building), additional campus parking in three areas, and the renovation of two existing residential structures, one to accommodate offices for school administration and the second to provide a primary residence to the school principal. The project would remove the Peter's property building and appurtenant structures, redevelop the interior of the Castle Oaks property to accommodate the administrative offices, and update the Brown residence to accommodate the principal's primary residence. ESA is preparing three technical studies to support the IS/MND, including air quality, cultural resources, greenhouse gas emissions, and noise. ESA peer reviewed the biological resource reports and traffic study that were prepared to support the document. Monica provided technical and compliance oversight to the cultural resources staff.



Candace R. Ehringer, RPA

Cultural Resource Program Manager

EDUCATION

MA, Anthropology, California State University, Northridge

BA, Anthropology, East Carolina University

22 YEARS OF EXPERIENCE

QUALIFICATIONS

Register of Professional Archaeologists, No. 15146

Meets Secretary of the Interior's PQS for Archaeology and History

Meets Caltrans PQS for Co-Principal Investigator

Orange County Certified Archaeologist

CA State BLM Permitted

HAZWOPER Certified

PROFESSIONAL AFFILIATIONS

Society for California Archaeology

Society for Historical Archaeology

Register of Professional Archaeologists, Standards Board Chair

CONTINUING EDUCATION

AEP AB 52 Tribal Perspective Training presented by the San Manuel Band of Mission Indians and Morongo Band of Mission Indians, 2017

Candace is a cultural resources project manager with 22 years of experience in California. She provides technical and compliance oversight for archaeological survey, evaluation, and treatment; built environment studies, including the documentation and evaluation of buildings, structures, and districts; Tribal resources consultations; and paleontological resources survey and sensitivity assessments. Candace also has experience working with agencies and Tribes to identify Traditional Cultural Properties and tribal cultural resources. She is skilled in the evaluation, analysis of effects, and development of measures to avoid, minimize, or mitigate adverse effects for archaeological, historic, tribal, and paleontological resources under Section 106 and CEQA.

Candace manages multi-disciplinary cultural resources projects and is adept at building teams of specialists that are uniquely qualified for the project at hand. Her project work includes experience in every county in Southern California, as well as many in the Central Coast, Central Valley, and Northern California regions. She is proficient in the areas of CEQA, NEPA, Section 106, and AB 52 compliance, and routinely provides planning and strategic guidance to clients on complex projects within the larger scope of state and federal regulations.

Relevant Experience

California Department of Water Resources, Castaic Dam High Intake Tower Bridge Retrofit Project, Los Angeles County, CA, 2019-2020. *Cultural Resources Project Manager*. Candace managed the preparation of a cultural resources technical study in support of an IS/MND, and participated in AB 52 consultation with California Native American tribes. The consulting tribe identified tribal cultural resources in the project area. Candace worked with the tribe and DWR cultural staff to address tribal concerns and incorporate mitigation designed to reduce impacts to less than significant.

Pajaro Valley Water Management Agency, Watsonville Slough System Managed Aquifer Recharge and Recovery Projects, Santa Cruz County, CA, 2019-2020. *Cultural Resources Project Manager.* Candace is managing the preparation of a cultural resources study in support of the project EIR, including archival research, Native American outreach, survey, and testing. Several significant prehistoric archaeological sites of concern to local Native American tribes are within the vicinity of project elements. Candace is analyzing impacts to these sites as historical resources and tribal cultural resources, and is developing alternatives and mitigation to avoid or reduce impacts pursuant to CEQA.

Los Cerritos Wetlands Restoration Program, Los Angeles and Orange Counties, CA, 2017-2020. *Cultural Resources Project Manager.* Candace managed the preparation of a cultural resources technical study in support of a

Programmatic EIR. The Los Cerritos Wetlands has been identified as a tribal cultural landscape of significance to local California Native American tribes. Candace assisted the lead agency with AB 52 consultation, analyzed potential impacts to historical, archaeological, and tribal cultural resources, and developed mitigation to minimize impacts. The program would restore wetland, transition, and upland habitats throughout the approximately 503-acre Los Cerritos Wetlands Complex.

California Department of Toxic Substances (DTSC), Topock Compressor Station Remediation CEQA Services, Mohave County, AZ and San Bernardino County, CA, 2012-2019. *Cultural Resources Project Manager*. Candace managed the preparation of cultural resources EIR sections analyzing impacts to historical, archaeological and tribal resources. She also assisted with Native American consultation, including participating in field visits and meetings with tribal representatives. The project is located within the Topock Traditional Cultural Property, and the project was highly scrutinized by regional Native American tribes since they attach cultural and religious significance to the area. ESA prepared several CEQA documents in support of the project, tiering off the Program EIR. The project would remediate groundwater and soil contamination caused by hexavalent chromium and other chemicals.

California State Coastal Conservancy, Ballona Wetlands Restoration Project, Los Angeles, CA, 2012-2019. *Archaeologist*. Candace provided support for the cultural resources component of the project, which involved field survey and excavation, archival research, geoarchaeological assessment, SHPO and USACE consultation, and reporting. The area is considered exceptionally sensitive to local Native American groups, requiring extensive consultation and coordination between local tribes, the California Department of Parks and Recreation, and USACE. The Ballona Wetlands once occupied a 2,000-acre expanse of critical coastal habitat and included some of the most diverse wetland habitat types in the Los Angeles Basin. The Ballona Wetlands Restoration EIR/EIS evaluated four alternatives that included the following key elements: ecosystem restoration, flood and stormwater management, public access improvements, infrastructure and utility modifications, a full-scale implementation and restoration program, a state-of-the-art monitoring and adaptive management program, and ongoing operations and maintenance activities.

Pajaro Valley Water Management Agency, Basin Management Plan College Lake Integrated Resources Management Plan EIR, Watsonville, Santa Cruz County, CA, 2017-2019. *Cultural Resources Project Manager.* Candace managed the preparation of cultural resources studies in support of the project, which included archival research, Native American outreach, survey, and monitoring of geotechnical work. She led the field survey and authored the technical report in compliance with Section 106 and CEQA. The project is in an area of known cultural resources sensitivity, and is an area of concern to several Native American tribes. Candace analyzed impacts to historical, archaeological, and tribal cultural resources. The project would consist of a new weir structure and intake pump station, a water treatment plant, and a 5.5-mile-long pipeline to convey treated water to agricultural uses in the Pajaro Valley.

California Department of Water Resources, Lake Perris Seepage Recovery, Riverside County, CA, 2018-2019. *Principal Investigator.* Candace served as Principal Investigator for a Phase I cultural resources study conducted in compliance with CEQA. Tasks included archival research, survey, subsurface archaeological sensitivity assessment, analysis of direct and indirect effects to the National Register-Colorado River Aqueduct, reporting, and preparation of the cultural resources and tribal cultural resources sections of the EIR. The proposed project would collect water that is currently seeping out of Lake Perris through an integrated recovery well system, and then provide the recovered water to the Metropolitan Water District of Southern California.

California Department of Water Resources, Lake Perris Seepage Recovery, Riverside County, CA, 2018-2019. *Principal Investigator.* Candace served as Principal Investigator for a Phase I cultural resources study conducted in compliance with CEQA. Tasks included archival research, survey, subsurface archaeological sensitivity assessment, analysis of direct and indirect effects to the National Register-Colorado River Aqueduct, reporting, and preparation of the cultural resources and tribal cultural resources sections of the EIR. The proposed project would collect water that is currently seeping out of Lake Perris through an integrated recovery well system, and then provide the recovered water to the Metropolitan Water District of Southern California.

California Department of Water Resources, Lake Perris Emergency Release Facility, Riverside County, CA., 2016-2019 *Cultural Resources Project Manager*. Candace managed the preparation of a Phase I cultural resources study and cultural resources EIR section. Tasks included archival research, assistance with Native American outreach, survey, and reporting in compliance with CEQA. The project would modify the existing emergency outlet facility for the Perris Dam and construct a water conveyance facility to connect with the Perris Valley Channel in the event of a need for an emergency drawdown.

California Department of Water Resources, Los Robles Seismic Bridge Retrofit, Los Angeles County, CA, 2018. *Project Manager.* DWR requested that ESA prepare an expedited archaeological resources study for a seismic retrofit of the existing Los Robles Road Bridge at Quail Lake. Candace managed the preparation of the study, which included a records search, historic map and aerial photograph review, geoarchaeological review and sensitivity analysis, pedestrian survey, and technical report. ESA completed the study and delivered the report to DWR within 20 days of the request.

City of Temecula, Cypress Ridge Project EIR, Temecula, CA, 2016-2018. C*ultural Resources Project Manager.* Candace authored the cultural resources and tribal cultural resources sections of the EIR, and assisted with AB 52 consultation. Consultation resulted in the identification of a tribal cultural resource and development of mitigation to reduce impacts to less than significant. The project includes the development 245 detached/attached, cluster, and duplex/triplex units totaling approximately 439,341 square feet, conversion of an existing concrete drainage ditch to an infiltration basin, improvements to Pala Park, and off-site landscape improvements along Pechanga Parkway, and requires a General Plan Amendment, Tentative Tract Map, and zoning change.

Palmdale Water District (PWD) Water System Master Plan EIR, Los Angeles County, CA 2016-2018. *Cultural Resources Project Manager.* Candace managed the cultural resources studies, including the Phase I and Extended Phase I identification efforts. These efforts included archival research, an archaeological sensitivity assessment, field surveys, presence/absence testing, and reporting. Candace assisted PWD with AB 52 consultation with the San Manuel Band of Mission Indians, and coordinating with the San Manuel's CEQA lead. Candace authored the cultural resources and tribal cultural resources chapters of the EIR. The project would evaluate the existing water system deficiencies, future facility requirements, and would serve as a guideline for the planning of the build-out of the PWD's potable water system in the near-term (by 2020) or in the long-term (by 2021 to 2040). The project would involve construction of water system improvements throughout PWD's 47 square mile service area in the City of Palmdale, and outside of PWD boundaries in either the City of Palmdale or unincorporated Los Angeles County, in order to meet potable water system needs.

City of Morro Bay Water Reclamation Facility (WRF) CEQA Plus EIR, Morro Bay, CA, 2015-2018. *Cultural Resources Project Manager.* Candace provided peer review of cultural resources studies and authored the cultural resources and tribal cultural resources sections of the EIR, analyzing impacts to the numerous prehistoric sites in the project vicinity. The City of Morro Bay is proposing to build a WRF at a new inland location. The proposed WRF would provide wastewater treatment services for the City of Morro Bay and provide opportunities for beneficial reuse of advanced treated recycled water, including agricultural irrigation and groundwater replenishment. The proposed project includes all necessary pipeline collection and conveyance infrastructure needed to support the treatment facility. The existing Morro Bay-Cayucos Wastewater Treatment Plant would be decommissioned and replaced by the proposed WRF.

California Department of Water Resources, Pyramid Lake Maintenance, Los Angeles County, CA., 2016-2017. *Principal Investigator.* Candace managed the preparation of a cultural resources study, which included archival research, Native American outreach, field survey, geoarchaeological review, a sensitivity analysis, reporting, and coordination with Angeles National Forest staff. The projects consisted of installing a warning siren at Frenchman's Flat Campground, repairing an existing bathroom at Emigrant Landing swim beach, and revegetating the Los Alamos Campground Loop 4 within the Pyramid Lake area of the Angeles National Forest, requiring compliance with Section 106.

California Department of Water Resources, Castaic Lake Drawdown, Los Angeles County, CA, 2014-2016. *Principal Investigator.* Candace served as Principal Investigator for the project. She developed research questions and survey strategies, participated in the survey, oversaw documentation and evaluation of identified resources, and provided senior review of the report. The project was conducted to comply with mitigation after a drawdown of the water level at Castaic Lake during an extended period of drought in California. Portions of the project were located on lands administered by the Angeles National Forest, U.S. Bureau of Land Management, and California State Parks, requiring permitting and compliance with both State and Federal laws.

Los Angeles Department of Water and Power, Owens Lake Master Project – Cultural Resources Services, Inyo County, CA, 2014-2015. *Cultural Resources Project Manager.* Candace managed the preparation of cultural resources sensitivty maps, which documented archaeological, historical, Native American, and paleontological resources on the Owens Lake bed. Candace also assisted with the development of Cultural Resources Protection Criteria designed to protect sensitive cultural resources during implementation of the Master Project. LADWP is currently working to identify an environmentally sustainable approach to dust control at Owens Lake. LADWP is seeking to avoid impacts to cultural resources by considering their locations during the project development and planning stage.

City of Temecula, Altair Specific Plan EIR, Archaeological Services, Riverside County, CA, 2014-2015. *Principal Investigator.* Candace served as the Principal Investigator for an Archaeological Investigation Report. The study included geoarchaeological review, preparation of a research design, subsurface exploration of impact areas with higher sensitivity for archaeological resources, and preparation of a technical report. She co-authored the cultural resources section of the EIR, which analyzed impacts to the National Register-listed Luiseño Ancestral Origin Landscape Traditional Cultural Property. The project would construct a pedestrian-oriented residential community with up to 1,750 mixed density residential units within walking or cycling distance of Old Town Temecula.

California Department of Water Resources, Pearblossom Solar, Los Angeles County, CA, 2013-2015. *Cultural Resources Project Manager.* Candace managed the preparation of a Phase I cultural resources study for the project. The project includes installation of approximate 70-acres of photovoltaic solar panels. The study resulted in the identification of three historic-period archaeological sites and one historic resource (Pearblossom Pumping Plant complex). The archaeological resources were recommended ineligible for the National Register and California Register. The plant complex is considered a contributing element of the California Aqueduct, a National Register-eligible resource. The study concluded that the project would not cause a substantial adverse change in the significance of the California Aqueduct and no further work was recommended.

California Department of Water Resources, Cantua Creek Stream Group Improvements, Fresno County, CA, 2013-2014. *Project Manager*. Candace managed archaeological, historic, and paleontological resources studies in compliance with Section 106 and CEQA. She led a field survey of an approximate 1,867-acre area and served as the primary report author. The project includes a series of improvements to the San Luis Canal of the California Aqueduct, including raising existing/constructing canal embankments, pump pads, and roadbeds, a new concrete weir, sediment removal, and relocation of existing utilities. The U.S. Bureau of Reclamation and the California Department of Water Resources were the lead agencies.

California Department of Water Resources, Perris Dam Mitigation Area, Riverside County, CA, 2012-2013. *Cultural Resources Project Manager*. Candace managed a Phase I cultural resources study for a proposed biological mitigation area. Tasks included archival research, survey, and reporting. The study

concluded that the area is sensitive for archaeological resources and additional work was recommended. The project includes a creation/restoration program within the Western Riverside County Regional Conservation Authority mitigation area with the purpose of creating/restoring riparian habitat that is biologically equivalent or superior to that which is being impacted as a result of the Perris Dam Remediation Program being carried out at Lake Perris.

California Department of Water Resources, Serrano Beach Project, Los Angeles County, CA, 2012. *Project Manager*. Candace managed a Phase I cultural resources study, including archival research, survey, and report. DWR proposes to repair culverts along the Serrano Beach access road near the Pyramid Lake Vista Del Lago Visitors Center, replacement of a fence surrounding an existing water tank, and installation of a new water pipeline near the Warne Powerplant. The project is located within the Angeles National Forest, requiring compliance with Section 106 of the National Historic Preservation Act.



Fatima Clark

Archaeologist

EDUCATION

BA, Anthropology, California State University, Fullerton

12 YEARS OF EXPERIENCE

PROFESSIONAL AFFILIATIONS

Society for California Archaeology

SPECIALIZED TRAINING

Section 106 Webinar, 2016

Workshop: The Art and Science of Flintknapping, California Desert Studies Center, 2013

Successful CEQA, Compliance-Southern California Edison, Environmental Training, 2011

Cultural Resources Protection under CEQA and Other Legislative Mandates, UCLA Extension, 2010

CERTIFICATIONS/ REGISTRATION

Orange County Certified Archaeologist

Fatima has 12 years of hands-on archaeological experience and is practiced in project management and client and agency coordination. Her field experience is complimented by the course study and participation in numerous archaeological excavations in California, Arizona, and Peru. Fatima has written California Environmental Quality Act (CEQA)-level technical reports, Environmental Impact Report (EIR) sections, Initial Study (IS) sections, archaeological peer reviews, archaeological monitoring reports, and reports pursuant to California Department of Transportation (Caltrans) requirements. She is also experienced in performing archaeological testing, site recordation, laboratory analysis, pedestrian surveys, records searches through several California Historical Resources Information Systems-Information Centers, and monitoring for a wide variety of projects, including mixed-use, residential, and energy, water, and road infrastructure projects. In addition to her archaeology background, Fatima has been cross-trained in conducting paleontological surveys and monitoring and has co-authored and managed associated reports.

Relevant Experience

Hillcrest Real Estate, LLC., Universal Hilton City, Universal City, CA (2020). *Archaeologist*. Fatima was in charge of preparing the Cultural Resources Assessment and EIR section for the project pertaining to CEQA. Fatima also coordinated the preparation of the Paleontological Resources Assessment. The project will include a new 20-story Hotel Expansion Building (with 395 guest rooms and a spa limited to guests and 250 non-guest members) with a new single-level lobby connecting to the Existing Hotel Building. The Project is located near the entrance of Universal Studios.

Irvine Ranch Water District, Syphon Reservoir Improvement Project, Orange County, CA (2018-2019). *Archaeologist.* Fatima was in charge of conducting archival research, pedestrian survey, and served as one of the lead authors of the Cultural Resources Assessment Report, pursuant to CEQA and Section 106. The survey for the study led to the relocation of two previously recorded prehistoric archaeological sites and the recordation of five additional resources, including one prehistoric isolate, one historic-period archaeological resource, and three historic architectural resources.

City of Santa Monica, Miramar Hotel Redevelopment EIR, Santa Monica, CA (2019). *Archaeologist*. Fatima was in charge of conducting archival research and preparing the Phase I Archaeological Resources Assessment for the project pertaining to CEQA. Fatima also coordinated the preparation of the Paleontological Resources Assessment. The project includes adaptive reuse of the historic Palisades Building and replacement of other buildings in order to provide a mixed-use luxury hotel with new food and beverage facilities, open space, spa,

meeting facilities, and retail space, along with residential units on the upper floors of the new buildings.

California Pacific Homes, Oaks at Monte Nido, Santa Monica Mountains, Unincorporated Los Angeles County, CA (2019-2020). *Archaeologist.* Fatima was in charge of conducting archival research, the archaeological and paleontological pedestrian survey, the preparation of the Phase I Archaeological Resources Assessment pertaining to CEQA, and assisted with the preparation of Paleontological Resources Assessment. The pedestrian survey yielded the identification of a sandstone boulder that contains a fossil impression of the skull of a small-toothed cetacean "dolphin" and the identification of fossilized shells of pelecypods (e.g., bivalves such as clams, mussels, oysters, and cockles) and gastropods (e.g., snails and slugs). The project proposes the development of 15 single-family residences on separate individual recorded parcels within the Monte Nido Community, along the scenic route of Piuma Road.

Sandstone Properties, Inc., 11469 Jefferson Hotel Project, Culver City, CA (2019). *Archaeologist.* Fatima was in charge of conducting the archival research, survey, and subsurface sensitivity assessment for archaeological resources. The project is within an area of archaeological sensitivity, and the study identified those areas with a higher likelihood to contain subsurface resources based on a review of environmental, geologic, and historic data. The project would develop a five-story, 175-room boutique hotel with below-grade parking, and would require demolition of existing commercial structures.

California Department of Water Resources, Lake Perris Seepage Recovery, Riverside County, CA (2019). *Archaeologist.* Fatima was in charge of the following tasks: archival research, survey, subsurface archaeological sensitivity assessment, analysis of direct and indirect effects to the National Register-Colorado River Aqueduct, and preparation of the Cultural Resources Assessment Report in compliance with CEQA. The proposed project would collect water that is currently seeping out of Lake Perris through an integrated recovery well system, and then provide the recovered water to the Metropolitan Water District of Southern California.

Los Angeles Department of Water and Power, Manhattan Wellfield On-Site Hypochlorite Generation Station, Los Angeles, CA (2019). *Archaeologist*. Fatima was in charge of preparing the Cultural Resources Assessment Report in compliance with CEQA and Section 106. Tasks included delineation of an Area of Potential Effects (APE), archival research, Native American outreach, desktop geoarchaeological review and subsurface sensitivity assessment, survey, reporting. The project would upgrade the existing chlorination station at Manhattan Wellfield to an on-site hypochlorite.

City of Burbank, Avion Project, Burbank, CA (2018). *Archaeologist.* Fatima was the lead author for the Cultural Resources Assessment Report and prepared the Cultural Resources section for the EIR. The project is a mixed-use development consisting of creative offices, creative industrial, retail, and a hotel located within a 61-acre Project area, which was once developed with the Lockheed-Martin B-6 site.

California Department of Water Resources, Los Robles Road Bridge Seismic Retrofit Project, Quail Lake, Los Angeles County (2018). *Archaeologist.* Fatima conducted the archival research, pedestrian survey and was the lead author for the Archaeological Resources Survey Report for the project, which pertains to CEQA. The project consisted of the seismic retrofitting of the existing Los Robles Road Bridge, which crosses the West Branch of the California Aqueduct.

Los Angeles Unified School District, San Pedro High School Comprehensive Modernization Project, Los Angeles, CA (2017-2018). *Archaeologist*. Fatima was the lead author for the Archaeological and Paleontological Resources report for the project pursuant to CEQA. The project is a site-specific school upgrade and modernization project being completed by the Los Angeles Unified School District under the School Upgrade Program. In addition to writing the report, Fatima was also the lead preparer of the Cultural Resources section of the EIR.

Los Angeles Unified School District, Burroughs Middle School Comprehensive Modernization Project, Los Angeles, CA (2018). *Archaeologist*. Fatima was the lead author for the Archaeological and Paleontological Resources report for the project pursuant to CEQA. The project would include: demolition of the Shop Building, Cafeteria/classroom buildings, and approximately 14 classrooms located in portable (relocatable) buildings; and construction of approximately 34 general and specialty classrooms, support spaces, and a new Food Services Building and Lunch Shelter. The proposed project would also include modernization and seismic retrofits to the Administration/auditorium Building, the Classroom Building, and the Gymnasium Building.

City of Burbank, Town Center Project, Burbank, CA (2018). *Archaeologist.* Fatima was in charge of preparing the Cultural Resources Assessment Report for the project. The Project is a comprehensive redevelopment of the Burbank Town Center property that would introduce a new mix of uses intended to create an integrated urban community atmosphere promoting live, work and play in Downtown Burbank.

California Water Service Company, Palos Verdes Peninsula Water Reliability Project, Palos Verdes Peninsula, CA (2017). *Archaeologist*. Fatima assisted in the preparation of the Phase I Cultural Resources Assessment report, conducted records searches and conducted the pedestrian survey for this project pursuant to Section 106. The project proposed to construct new potable water pipelines and a new booster pump station to improve overall system reliability in the Palos Verdes Peninsula.

Santa Margarita Water District, San Juan Watershed Project, San Juan Capistrano and Dana Point, CA (2017). *Archaeologist.* Fatima was the lead author for the Phase I Cultural Resources Studies for the project compliant with CEQA and Section 106 of the National Historic Preservation Act. Besides being the lead author for the report, Fatima conducted the records searches, pedestrian survey, prepared the Cultural Resources section of the EIR, and conducted

coordination with the Orange County Flood Control District in order to acquire an encroachment permit to conduct the pedestrian survey. The project is to be constructed in multiple phases. The first phase (Phase I) would include installation of three rubber dams and control buildings within San Juan Creek. Subsequent phases include additional dams within San Juan Creek and Arroyo Trabuco, recycled water recharge facilities, and additional upgrades to existing groundwater recovery facilities.

California Department of Transportation, La Costa Chevron, Encinitas, CA (2013-2017). *Project Manager.* Fatima led the archaeological services for the La Costa Chevron Project in Encinitas, which addressed Chevron-created erosion onto a Caltrans right-of-way. Because of the project site's location within a recognized archaeological site, Caltrans required an Extended Phase I (XPI). ESA conducted an XPI archaeological excavation to determine the presence or absence of archaeological deposits (and their horizontal and vertical extent) where the drainage improvements were expected to occur. Managing the company's role as a subcontractor to a larger engineering firm, Fatima coordinated with the prime consultant, the Native American groups in the area, and Caltrans. She was in charge of conducting archaeological testing, served as the primary author of the XPI, prepared the Environmentally Sensitive Area Action Plan and the Historic Resources Compliance Report.

Lennar Homes, Aidlin Property Residential Project, Los Angeles County, CA (2016). *Archaeologist.* Fatima was in charge of preparing the Section 106 report for the project. The proposed project would include the development of 102 single-family dwellings, three parks, the widening of Pico Canyon Road, and associated supporting infrastructure including local roadways, water tanks and a pump station, water quality treatment basins, and an emergency secondary fire access road. The project would also require the grading of natural topography, including slopes in order to remediate existing geologic conditions and to create stable building pads and roadways.

Lennar Homes, Aidlin Property Residential Project, Los Angeles County, CA (2014). *Archaeologist.* Fatima conducted the historical records searches through the CHRIS, pedestrian survey, the preparation of the CEQA cultural resources assessment report. The proposed project consists of a residential development on approximately 230 acres of land in an unincorporated area of Los Angeles County, California.

Southern California Edison, Archaeological Services/Contingent Employee (2008–2013), Southern California, CA. Fatima worked at Southern California Edison (SCE) as a full-time in-house consulting archaeologist in the Deteriorated Poles Program, GO 131-D Program and for the Valley South Subtransmission Project (VSSP). Fatima was in charge of managing work sent to outside consultants for surveys and preparation of archaeological reports and coordinating with consultants and SCE staff. Fatima also conducted over 100 archaeological reviews, including records searches, field surveys, project coordination, report writing for projects subject to the rules and regulations of the California Public Utilities Commission (CPUC) and thus also following CEQA-mandated requirements.

Appendix B
Sacred Lands File Search

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Laura Miranda
Luiseño

VICE CHAIRPERSON
Reginald Pagaling
Chumash

PARLIAMENTARIAN
Russell Attebery
Karuk

SECRETARY
Sara Dutschke
Miwok

COMMISSIONER
William Mungary
Paiute/White Mountain Apache

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

COMMISSIONER
Wayne Nelson
Luiseño

COMMISSIONER
Stanley Rodriguez
Kumeyaay

EXECUTIVE SECRETARY
Christina Snider
Pomo

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

January 27, 2022

Fatima Clark
ESA

Via Email to: fclark@esassoc.com

Re: Covina Public Self-Storage Facility Project, Los Angeles County

Dear Ms. Clark:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information submitted for the above referenced project. The results were positive. Please contact the Gabrieleno Band of Mission Indians – Kizh Nation on the attached list for information. Please note that tribes do not always record their sacred sites in the SLF, nor are they required to do so. A SLF search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with a project's geographic area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites, such as the appropriate regional California Historical Research Information System (CHRIS) archaeological Information Center for the presence of recorded archaeological sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. Please contact all of those listed; if they cannot supply information, they may recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
Los Angeles County
1/27/2022

Gabrieleno Band of Mission Indians - Kizh Nation
Andrew Salas, Chairperson
P.O. Box 393 — Gabrieleno
Covina, CA, 91723
Phone: (626) 926 - 4131
admin@gabrielenoindians.org

Gabrieleno/Tongva San Gabriel Band of Mission Indians
Anthony Morales, Chairperson
P.O. Box 693 — Gabrieleno
San Gabriel, CA, 91778
Phone: (626) 483 - 3564
Fax: (626) 286-1262
GTTribalcouncil@aol.com

Gabrielino /Tongva Nation
Sandonne Goad, Chairperson
106 1/2 Judge John Aiso St., #231 — Gabrielino
Los Angeles, CA, 90012
Phone: (951) 807 - 0479
sgoad@gabrielino-tongva.com

Gabrielino Tongva Indians of California Tribal Council
Christina Conley, Tribal Consultant and Administrator
P.O. Box 941078 — Gabrielino
Simi Valley, CA, 93094
Phone: (626) 407 - 8761
christina.marsden@alumni.usc.edu

Gabrielino Tongva Indians of California Tribal Council
Robert Dorame, Chairperson
P.O. Box 490 — Gabrielino
Bellflower, CA, 90707
Phone: (562) 761 - 6417
Fax: (562) 761-6417
gtongva@gmail.com

Gabrielino-Tongva Tribe
Charles Alvarez,
23454 Vanowen Street — Gabrielino
West Hills, CA, 91307
Phone: (310) 403 - 6048
roadkingcharles@aol.com

Santa Rosa Band of Cahuilla Indians
Lovina Redner, Tribal Chair
P.O. Box 391820 — Cahuilla
Anza, CA, 92539
Phone: (951) 659 - 2700
Fax: (951) 659-2228
lsaul@santarosa-nsn.gov

Soboba Band of Luiseno Indians
Joseph Ontiveros, Cultural Resource Department
P.O. BOX 487 — Cahuilla
San Jacinto, CA, 92581 — Luiseno
Phone: (951) 663 - 5279
Fax: (951) 654-4198
jontiveros@soboba-nsn.gov

Soboba Band of Luiseno Indians
Isaiah Vivanco, Chairperson
P. O. Box 487 — Cahuilla
San Jacinto, CA, 92581 — Luiseno
Phone: (951) 654 - 5544
Fax: (951) 654-4198
ivivanco@soboba-nsn.gov

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Covina Public Self-Storage Facility Project, Los Angeles County.

Appendix C

Geotechnical Engineering Exploration and Analysis Report

ESA



GREEN

Geotechnical Engineering Exploration and Analysis

Proposed 3-Story Public Storage Building
1330 East Cypress Street
Covina, California

Prepared for:

Public Storage
Glendale, California

July 30, 2021
Project No. 2G-2104006

GILES
ENGINEERING ASSOCIATES, INC.

GILES
ENGINEERING ASSOCIATES, INC.
GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

• Atlanta, GA
• Dallas, TX
• Los Angeles, CA
• Manassas, VA
• Milwaukee, WI

July 30, 2021

Public Storage, Inc.
701 Western Avenue
Glendale California 91201

Attention: Mr. Bryan Miranda
Regional Vice President – West Coast

Subject: Geotechnical Engineering Exploration and Analysis
Proposed 3-Story Public Storage Building
1330 East Cypress Street
Covina, California
Project No. 2G-2104006

Dear Mr. Miranda:

In accordance with your request and authorization, a *Geotechnical Engineering Exploration and Analysis* report has been prepared for the above-referenced project. Conclusions and recommendations developed from the exploration and analysis are discussed in the accompanying report.

We appreciate the opportunity to be of service on this project. If we may be of additional assistance, should geotechnical related problems occur or to provide construction observation and testing services, please do not hesitate to call at any time.

Respectfully submitted,

GILES ENGINEERING ASSOCIATES, INC.

REGISTERED PROFESSIONAL ENGINEER
JOHN LUKE MAIER
GE 3135
EXP. 12/31/21
GEOTECHNICAL
STATE OF CALIFORNIA

John L. Maier, P.E., G.E.
Branch Manager

REGISTERED PROFESSIONAL ENGINEER
TERRY LEE GILES
No. GE00342
Exp. 12/31/21
GEOTECHNICAL
STATE OF CALIFORNIA

Terry L. Giles, P.E., G.E.
President and CEO

Distribution: Public Storage, Inc.
Attn.: Mr. Bryan Miranda (email: bmiranda@publicstorage.com)

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PROPOSED 3-STORY PUBLIC STORAGE BUILDING
1330 EAST CYPRESS STREET
COVINA, CALIFORNIA
PROJECT NO. 2G-2104006

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GEOTECHNICAL ENGINEERING E□PLORATION AND ANALYSIS

PROPOSED 3-STORY PUBLIC STORAGE BUILDING
1330 EAST CYPRESS STREET
COVINA, CALIFORNIA
PROJECT NO. 2G-2104006

EXECUTIVE SUMMARY OUTLINE

The executive summary is provided solely for purposes of overview. Any party who relies on this report must read the full report. The executive summary omits a number of details, any one of which could be crucial to the proper application of this report.

Subsurface Conditions

- A Site Class D is recommended for this site based upon the mapped geological features of the site also verified by test borings.
- Our review of Quarternary Geological Map of the San Dimas Quadrangle indicates that the site is underlain by fluvial deposits and alluvium.
- *Possible fill and fill* soils were encountered within our test borings to depths up to about 6 feet. The soils were generally damp to moist, very loose to loose relative density, silty sand with variable amounts of gravel.
- *Native* soils encountered beneath the fill and possible fill consisted of damp to moist, loose to very dense relative density, sands and gravels with possible interbedded cobbles and boulders.
- Groundwater was not encountered during our subsurface exploration to the maximum depth explored of 36 □ feet. The historic high groundwater elevation is mapped at a depth of 180 feet.

Site Development

- It is our understanding that the existing buildings will be demolished for the construction of a 3-story storage building, with the lower lever a partial basement.
- New Buildings: Due to the presence of variable strength onsite soils, including fill and possible fill, and the likely disturbance of the subgrade during demolition operations; it is recommended that the soils within the proposed new three-story building area and an appropriate distance beyond (5 feet minimum where possible) be over-excavated to a depth of at least 1 foot below bottom of foundations and floor slab, and to the depth required to remove soil disturbed during demolition, whichever is deeper. The soils exposed at the base of this recommended over-excavation should be examined by the geotechnical engineer to document that the soils are suitable for building support.

Building Foundation

- Spread footings that will support the bearing walls and isolated columns may be designed for a maximum, net, allowable soil-bearing pressure of 3,000 pounds per square foot (psf). Structural loads supported by a mat/slab may be designed for a maximum modulus of subgrade reaction (k_s) of 90 pounds per square inch per inch (psi/in.).

Building Floor Slab

- The slab should be underlain by a minimum 4-inch thick granular base supported on a properly prepared subgrade consisting of newly placed structural compacted fill.
- The ground floor of the new building may be designed as load-bearing mat/slab, or conventional slab-on-grade with spread footings.

- A minimum 15-mil vapor retarder is recommended below the floor slab or base course to protect moisture sensitive floor coverings.

Retaining Walls

- Walls under 6 feet in height may be designed for active or at-rest Equivalent Fluid Pressures (EFP) of 35 or 55 pcf, respectively. Walls over 6 feet in height should also include a seismic increase of 23 pcf.
- The retaining wall(s) may be designed as conventional reinforced concrete walls supported by spread footings designed for an allowable soil bearing pressure of 3,000 psf, with a coefficient of friction of 0.40, and passive pressure on 250 pcf.
- Retaining walls are recommended to be designed for drained condition.

Pavement

- Asphaltic Concrete: 3 inches of asphaltic concrete underlain by 6 or 9 inches of base course in parking stall and drive lane areas, respectively.
- Portland Cement Concrete: 6 inches in thickness in high stress areas such as entrance/exit aprons lane and in trash enclosure loading zone with a 4 inch granular base.

Construction Considerations

- Due to the granular on site soil encountered within our borings, all excavations to develop the site and partial basement and other areas should be closely monitored as slope stability problems should be expected in steep, unbraced excavations considering the nature of the subsoils. All excavations must be performed in accordance with CAL-OSHA requirements, which is the responsibility of the contractor.
- Some nominal overexcavation of existing fill should be expected.
- Loose or disturbed soil resulting from the demolishing and removal of the existing building and foundations should be expected, and monitored by Giles during demo and grading to determine if supplemental recommendations are warranted.

GREEN – This site has been given a green designation as no significant cost increases or geotechnical issues are expected.

1.0 SCOPE OF SERVICES

This report provides the results of the *Geotechnical Engineering Exploration and Analysis* that Giles Engineering Associates, Inc. ("Giles") conducted regarding the proposed development. The *Geotechnical Engineering Exploration and Analysis* included several separate, but related, service areas referenced hereafter as the Geotechnical Subsurface Exploration Program, Geotechnical Laboratory Services, and Geotechnical Engineering Services. The scope of each service area was narrow and limited, as directed by our client and in consideration of the proposed project. The scope of each service area is briefly explained in this report.

Geotechnical-related recommendations for design and construction of the foundation and ground-bearing floor slab for the proposed building are provided in this report. Geotechnical-related recommendations are also provided for the proposed parking lot. Site preparation recommendations are also given; however, those recommendations are only preliminary since the means and methods of site preparation will depend on factors that were unknown when this report was prepared. Those factors include the weather before and during construction, the water table at the time of construction, subsurface conditions that are exposed during construction, and finalized details of the proposed development.

2.0 SITES AND PROJECT DESCRIPTION

2.1 Site Description

The subject property, which is currently occupied by a one and two story building, is located at 1330 E. Cypress Street, in the City of Covina, California. The site is bounded on the north by East Cypress Street, on the east and west by commercial buildings, and on the south by a railroad track and residential units further south.

Other site improvements include asphaltic concrete driveway and parking areas, concrete pavements, underground utilities, concrete walkways, and trash enclosure. The existing buildings and parking areas are considered to be in fair conditions.

Based on a review of *the ALTA Map* prepared by DRC, dated May 7, 2021 the site slopes from about El. 670 ft to El 664 ft from north to south, within the proposed building areas. The subject property is located at approximately latitude 34.0952 and longitude -117.8628°.

2.2 Proposed Project Description

It is our understanding that the existing buildings will be demolished for the construction of a 3-story storage building, with the lower level constructed as a partial basement fully below grade to the north and at grade at the south of the building. At the time of this geotechnical investigation, design loadings and/or proposed structural conditions were not available for our review. We estimate maximum building loads, based on a 10 foot by 10 foot column spacing, to be 40 to 50 kips for interior

columns and 2 to 3 kips per foot for walls. When design loading conditions are final, we should be notified to re-evaluate the conclusions and recommendations contained in this report. The structure is anticipated to be concrete, masonry, and steel.

The Conceptual Site Plan, Sheet 2, prepared by KSP, dated May 19, 2021 indicates the planned finished floor elevation for the proposed new structure (1st Floor partial basement) will be 66.0 feet. Based on the existing grades at the existing building corners relative test boring elevations, site grading is anticipated to consist of cuts of about 5 feet at the northern areas of the proposed building, and cuts of 2 feet and fills of 2 feet at the southern area of the building. This grading is only to establish the necessary anticipated finish grade elevations, and exclusive of site preparation and over-excavation requirements necessary to create a stable site suited for the proposed development.

The traffic loading for the proposed parking lot is understood to predominantly consist of automobiles with occasional heavy trucks resulting from deliveries and trash removal. The parking lot pavement sections have been designed on the basis of an assumed Traffic Index of 4.5 for the parking stall areas (light duty) and 5.5 for the drive lanes (medium duty). Pavement designs are based on a 20-year design period.

3.0 SUBSURFACE EXPLORATION

3.1 Subsurface Exploration

Our subsurface exploration consisted of the drilling of eight (8) exploratory test borings up to 36 □ feet and percolation test holes at depths of 5 feet below existing ground surfaces utilizing a truck mounted hollow stem drill rig. The approximate test boring locations are shown in the Test Boring Location Plan (Figure 1). Prior to drilling, a Soil Boring Permit (DEH2019-LMWP-004212) was obtained from Los Angeles County Environmental Health Department. The Test Boring Location Plan, Test Boring Logs (Records of Subsurface Exploration), and test results are enclosed in Appendix A. Field and laboratory test procedures are enclosed in Appendix B and C, respectively. The terms and symbols used on the Test Boring Logs are defined on the General Notes in Appendix D.

Our subsurface exploration included the collection of relatively undisturbed samples of subsurface soil materials for laboratory testing purposes. Bulk samples consisted of composite soil materials obtained at selected depth intervals from the borings. Relatively undisturbed samples were collected (per ASTM D-3550) using a 3-inch outside-diameter, modified California split-spoon soil sampler (CS) lined with 1-inch high brass rings. The sampler was driven with successive 30-inch drops of a hydraulically operated, 140-pound automatic trip hammer. Blow counts for each 6-inch driving increment were recorded on the field exploration logs. The central portions of the driven core samples were placed in sealed containers and transported to our laboratory for testing.

Where deemed appropriate, standard split-spoon tests (SS), also called Standard Penetration Test (SPT), were also performed at selected depth intervals in accordance with the American Society for Testing Materials (ASTM) Standard Procedure D 1586. This method consists of mechanically driving

an unlined standard split-barrel sampler 18 inches into the soil with successive 30-inch drops of the 140-pound automatic trip hammer. Blow counts for each 6-inch driving increment were recorded on the exploration logs. The number of blows required to drive the standard split-spoon sampler for the last 12 of the 18 inches was identified as the uncorrected standard penetration resistance (N). Disturbed soil samples from the unlined standard split-spoon samplers were placed in plastic containers and transported to our laboratory for testing.

At the conclusion of drilling activities, each borehole was backfilled. Even with this service, however, it is important to note that some borehole backfill settlement or expansion can and will occur over time. This settlement/expansion can create a hazard and should be carefully monitored by the client and/or property owner. The settlement/expansion can lead to the formation of a "trip joint" representing a threat of injury to persons or animals utilizing or accessing the subject property. Giles has not included a cost for monitoring borehole settlement/expansion after the initial drilling activities and will not be performing this service.

3.2 Subsurface Conditions

The subsurface conditions as subsequently described have been simplified somewhat for ease of report interpretation. A more detailed description of the subsurface conditions at the test boring locations is provided by the logs of the test borings enclosed in Appendix A of this report.

Pavement

Existing pavement encountered consisted of approximately 2 to 4 inches thick asphaltic concrete with 3 to 6 inches of aggregate base noted. Based on our visual observation, the existing pavement is in fair condition.

Geology

Our review of Quarternary Geological Map of the San Dimas Quadrangle indicates that the site is underlain by fluvial deposits and alluvium.

Soil

Possible fill and fill soils were encountered within our test borings to depths up to about 6 feet. The soils were generally damp to moist, very loose to loose relative density, silty sand with variable amounts of grave.

Native soils encountered beneath the fill and possible fill consisted of damp to moist, loose to very dense relative density, sands and gravels with possible interbedded cobbles and boulders.

Groundwater

Groundwater was not encountered within the borings to depths up to 36 □ feet below existing ground surface during our subsurface exploration and is mapped at a depth of 180 feet. However, fluctuations of the groundwater table, localized zones of perched water, and rise in soil moisture content should be anticipated during and after the rainy season. Irrigation of landscape areas on or adjacent to the site can also cause fluctuations of local or shallow perched groundwater levels.

3.3 Percolation Testing

It is our understanding that an on-site below grade storm water infiltration system is being considered for the subject site. Therefore, two percolation tests were performed to assess the infiltration characteristics of the site soils.

The percolation testing consisted of drilling a 8-inch-diameter hole using a hollow-stem auger, installing a 2-inch-diameter slotted pvc casing with a solid end cap and then surrounding the casing with a granular filter pack. The test holes (B-5 and B-8) were then pre-soaked to a minimum depth of 1 foot above the bottom of the boring. After pre-soaking, test water was added to the casing and refilled after each consecutive percolation test reading. The drop in water level over time is the percolation rate at the test location. The pre-adjusted percolation rate is generally reduced to account for the discharge of water from both the sides and bottom of the boring. The formula given by the County of Los Angeles, Department of Public Works, Geotechnical and Materials Engineering Division, was used to calculate for the infiltration rate.

Infiltration Rate □ Pre-adjusted Percolation Rate divided by Reduction Factor

Where the reduction factor (R_f) is given by:

R_f □ (2di - Δd/ dia) □ 1

With: di □ initial water depth (in.)
Δd □ average/final water level drop (in.)
Dia □ diameter of the boring (in.)

The results obtained from our percolation testing are summarized below. The infiltration rate noted below has not been reduced to account for a factor of safety.

TABLE 1 – PERCOLATION TEST RESULTS

Test Hole	Test Depth[1] (feet)	Design Infiltration Rate (in/hr)	Soil Type
B-8/P-1	5.0	1.33	Silty fine Sand
B-4/P-2	5.0	1.93	Silty fine Sand

1) Depth is referenced to the existing surface grade at the test location.
2) No Factor of Safety has been calculated

It should be noted that the infiltration rate of the on-site soils represents a specific area and depth tested and may fluctuate throughout other parts of the site.

4.0 LABORATORY TESTING

Several laboratory tests were performed on selected samples considered representative of those encountered in order to evaluate the engineering properties of on-site soils. The following are brief description of our laboratory test results.

In Situ Moisture and Density

Tests were performed on select samples from the test borings to determine the subsoils dry density and natural moisture contents in accordance with Test Method ASTM 2216. The results of these tests are included in the Test Boring Logs enclosed in Appendix A.

Expansion Index

To evaluate the expansive potential of the near surface soils encountered during our subsurface exploration, two composite samples collected from the test borings within the upper 12 feet were subjected to Expansive Index (EI) testing in accordance with Test Method ASTM D 4829. The result of our expansion index (EI) test indicates that the near surface sample has a *very low* expansion potential (EI □ 11).

Soluble Sulfate Analysis and Soil Corrosivity

A representative sample of the near surface soils which may contact shallow buried utilities and structural concrete was performed to determine the corrosion potential for buried ferrous metal conduits and the concentrations present of water soluble sulfate which could result in chemical attack of cement. The following table presents the results of our laboratory testing.

Parameter	**Bul□ Sample 1 to 12 feet**
pH	7.6
Chloride	27 ppm
Sulfate	0.0244□
Resistivity	900 ohm-cm

The chloride content of the near-surface soils was determined for a selected sample in accordance with California Test Method No. 422. The results of this test indicated that tested soil has **a Low exposure to chloride**. The results of limited in-house testing of soil pH and resistivity were determined in accordance with California test Method No. 643 and indicated that site soil is alkaline with respect to pH.

These test results have been evaluated in accordance with criteria established by the Cast Iron Pipe Research Association, Ductile Iron Pipe Research Association, the American Concrete Institute and the National Association of Corrosion Engineers. The test results on a near surface bulk sample from the site generally indicate that tested soils have a ***severe corrosive potential*** when in contact with ferrous materials. Therefore, special protection for underground cast iron pipe or ductile pipe may be warranted depending on the actual materials in contact with the pipe. We recommend that a corrosion engineer review these results in order to provide specific recommendations for corrosion protection as well as appropriate recommendations for other types of buried metal structures.

Corrosivity testing also included determination of the concentrations of water-soluble sulfates present in the tested soil sample in accordance with California Test Method No. 417. Our laboratory test data indicated that near surface soils contain approximately 0.024 percent of water soluble sulfates. Based on the applicable *California Building Code (CBC)*, concrete that may be exposed to sulfate containing soils shall comply with the provisions of ACI 318-11, Section 4.3. Therefore, according to Table 4.3.1 of the ACI 318-11, **a low exposure to sulfate corrosivity** can be expected for concrete placed in contact with the tested on-site soils. No special sulfate resistant cement is considered necessary for concrete which will be in contact with the tested on-site soils.

5.0 GEOLOGIC AND SEISMIC HAZARDS

5.1 Active Fault Zones

The project site is located in the highly seismic Southern California region within the influence of several fault systems. However, the site does not lie within the boundaries of an Earthquake Fault Zone as defined by the State of California in the Alquist-Priolo Earthquake Fault Zoning Act.

5.2 Seismic Hazard Zones

Our review of the published Seismic Hazard Evaluation Report for the San Dimas Quadrangle (within which the subject site is located) indicates that the subject site does not lie within a designated Liquefaction Hazard Zone. In addition, the depth to historic high groundwater is reported to be approximately 180 feet below grade. Based on these conditions, a liquefaction analysis is deemed not necessary.

General types of ground failures that might occur as a consequence of severe ground shaking typically include landsliding, ground subsidence, ground lurching and shallow ground rupture. The probability of occurrence of each type of ground failure depends on the severity of the earthquake, distance from faults, topography, subsoils and groundwater conditions, in addition to other factors. Based on our subsurface exploration and the seismic designation for this site, all of the above effects of seismic activity are considered unlikely at the site.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of our subsurface exploration and laboratory testing, the planned development for the subject site is considered feasible from a geotechnical point of view provided the following conclusions and recommendations are incorporated in the design and project specifications.

Conditions that may result from the proposed improvement have been evaluated on the basis of the engineering characteristics of the subsurface materials encountered during our subsurface investigation and their anticipated behavior both during and after construction. Conclusions and recommendations, along with site preparation recommendations and construction considerations are discussed in the following sections of this report.

We recommend that Giles Engineering Associates, Inc. be involved in the review of the grading and foundation plans for the site. Based on the results of our review, modifications to our recommendations may be warranted.

Effect of Proposed Grading and Construction on Adjacent Property

Based on a review of the soil conditions, site plan, and building setbacks, it is our opinion that the proposed construction and grading will be safe against geotechnical hazards from landslides, settlement, or slippage provided grading and construction are performed in compliance with the state, city, and local codes and in accordance with the recommendations presented herein.

6.1 Seismic Design Considerations

Faulting/Seismic Design Parameters

Research of available maps published by the *California Geological Survey (CGS)* indicates that the subject site is not located within an Alquist-Priolo Earthquake Fault Zone. The potential for fault rupture through the site is, therefore, considered to be low. The site may however be subject to strong groundshaking during seismic activity. In accordance with *ASCE 7*, Chapter 20, a Site Classification D is recommended for this site based upon the mapped geological features of the site also verified by test borings.

According to the maps of known active fault near-source zones to be used with the CBC, the San Jose and Sierra Madre faults are the closest known active faults and located about 2.8 and 3.6 miles from the site, respectively. These faults would probably generate the most severe site ground motions at the site with an anticipated maximum moment magnitude (Mw) of 6.9.

The proposed structure should be designed in accordance with the current versions of the: *California Building Code (CBC)*, *Minimum Design Loads and Associated Criteria for Buildings and Other Structures ASCE 7*, and applicable local codes. The following values are determined by using the web-based SEAOC/OSHPD Seismic Design Map Tool and *CBC 2019* and *ASCE 7-16*, respectively.

CBC 2019, Earthqua□e Loads	
Site Class Definition (Table 20.3-1)	D
Mapped Spectral Response Acceleration Parameter, S_s for 0.2 second	1.656
Mapped Spectral Response Acceleration Parameter, S_1 for 1.0 second	0.614
Site Coefficient, F_a short period)	1.0
Site Coefficient, F_v 1-second period)	1.7
Adjusted Maximum Considered Earthquake Spectral Response Acceleration Parameter, S_{MS}	1.656
Adjusted Maximum Considered Earthquake Spectral Response Acceleration Parameter, S_{M1}	1.044
Design Spectral Response Acceleration Parameter, S_{DS}	1.104
Design Spectral Response Acceleration Parameter, S_{D1}	0.696

Liquefaction

Our review of the published *seismic hazard maps and historic high groundwater elevation* indicates that the subject site is not with a designated liquefaction area and therefore a specific study to determine liquefaction potential was not deemed necessary.

6.2 Site Development Recommendations

The recommendations for site development as subsequently described are based upon the conditions encountered at the test boring locations.

Site Clearing

Clearing and demolition operations should include the removal of all landscape vegetation and existing structural features such as building footings and floor slabs, asphaltic concrete pavement, and concrete walkways within the area of the proposed new buildings and site improvements. Existing pavement within areas of proposed development should be removed or processed to a maximum 3-inch size and stockpiled for use as compacted fill or stabilizing material for the new development. Processed asphalt may be used as fill, sub-base course material, or subgrade stabilization material beyond the building perimeter. Processed concrete or existing base may be used as fill, sub-base course material, or subgrade stabilization material both within and outside of the building perimeter. Due to the moisture sensitivity and variable support characteristics of the site soils, the pavement is recommended to remain in-place as long as possible to help protect the

subgrade from construction traffic disturbance. All soils disturbed by the demolition of the existing improvements should be removed and/or compacted to provide a competent subgrade, as determined by the project geotechnical engineer.

Should any unusual soil conditions or subsurface structures be encountered during clearing/demolition operations or during grading, they should be brought to the immediate attention of the project geotechnical consultant for corrective recommendations.

Existing Utilities

All existing utilities should be located. Utilities that are not reused should be capped off and properly abandoned in-place in accordance with local codes and ordinances or removed. The excavations made for removed utilities that are in the influence zone of new construction are recommended to be backfilled with structural compacted fill. Underground utilities, which are to be reused or abandoned in-place, are recommended to be evaluated by the structural engineer and utility backfill is recommended to be evaluated by the geotechnical engineer, to determine their potential effect on the new development. If any existing utilities are to be preserved, construction operations must be carefully performed so as not to disturb or damage the existing utility.

Building Area

Due to the presence of variable strength onsite soils including existing fill and possible fill to an depths of about 6 feet, and the likely disturbance of the subgrade during demolition operations, it is recommended that the soils within the proposed new three-story building area, and an appropriate distance beyond (5 feet minimum where possible), be over-excavated to a depth of at least 1 feet below bottom of foundations and floor slab, and to the depth required to remove soil disturbed during demolition, whichever is deeper. The soils exposed at the base of this recommended over-excavation should be examined by the geotechnical engineer to document that the soils are suitable for building support. Prior to placement of fill, the exposed surfaces approved for fill placement should be scarified to an approximate depth of at least 6 to 8 inches, moisture conditioned to the recommended moisture content and then recompacted to at least 90% of the soil's maximum dry density as determined by Modified Proctor (ASTM D 1557). A representative of the project geotechnical consultant should be present on site during grading operations to verify proper placement and adequate compaction of subgrade and all fills.

Positive drainage devices such as sloped concrete flatwork, earth swales and sheet flow gradients in landscape area, perimeter flow-through planter, and surface drain system should be designed for the site. The drainage system should drain to a suitable discharge area away from the structures. The purpose of this drainage system is to reduce water infiltration into the subgrade soils and to direct water away from buildings and site improvements.

All utility trench backfill should be placed in lifts no greater than 8 inches in thickness, moisture conditioned and then compacted in-place to a minimum relative compaction of 90 percent of the soil's maximum density. A representative of the project geotechnical engineer should observe and test the backfills to document adequacy of compaction.

Proofroll and Compact Subgrade

Following over-excavation and lowering of site grades, where necessary, the subgrades within the proposed pavement and building areas should be proofrolled in the presence of the geotechnical engineer with appropriate rubber-tire mounted heavy construction equipment or a loaded truck to detect very loose/soft yielding soil which should be removed to a stable subgrade. Following proofrolling and completion of any necessary additional over-excavation, the subgrade should be scarified to a minimum depth of 6 to 8 inches, moisture conditioned or air dried as recommended, and recompacted to at least 90 percent of the Modified Proctor (ASTM D1557) maximum density. The upper 1 foot of the pavement subgrade should have minimum in-place density of at least 95□ of the maximum dry density. Low areas and excavations may then be backfilled in lifts with suitable *very low* expansive (EI □ 21) structural compacted fill. The selection, placement and compaction of structural fill should be performed in accordance with the project specifications.

The Guide Specifications included in Appendix D (Modified Proctor) of this report are recommended to be used, at a minimum, as an aid in developing the project specifications. The floor slab subgrade may need to be recompacted prior to slab construction due to weather and equipment traffic effects on the previously compacted soil.

Reuse of On-site Soil

On-site *very low* expansive soil (EI □ 21) may be used as structural compacted fill provided they do not contain oversized materials and significant quantities of organic matter or other deleterious materials. Care should be used in controlling the moisture content of the soils to achieve proper compaction for load bearing. All subgrade soil compaction as well as the selection, placement and compaction of new fill soils should be performed in accordance with the project specifications under engineering controlled conditions.

Import Structural Fill

Any soils imported to the site for use as structural fill should consist of *very low* expansive soils (EI □ 21). Material designated for import should be submitted to the project geotechnical engineer for evaluation no less than three working days prior to import.

In addition to expansion criteria, soils imported to the site should exhibit adequate shear strength characteristics for the recommended allowable soil bearing pressure; soluble sulfate content and corrosivity; and pavement support characteristics.

Subgrade Protection

The near surface soils that are expected to comprise the subgrade are sensitive to water and disturbance from construction activities. Unstable soil conditions will develop if these soils are exposed to moisture increases or are disturbed (rutted) by construction traffic. The site should be graded to prevent water from ponding within construction areas and/or flowing into excavations. Accumulated water must be removed immediately along with any unstable soil. Foundation concrete should be placed and excavations backfilled as soon as possible to protect the bearing grade. The degree of subgrade instability and associated remedial construction is dependent, in part, upon precautions taken by the contractor to protect the subgrade during site development.

Silt fences or other appropriate erosion control devices should be installed in accordance with local, state and federal requirements at the perimeter of the development areas to control erosion. Since silt fences or other erosion control measures are temporary structures, careful and continuous monitoring and periodic maintenance to remove accumulated soil and/or replacement should be expected.

Fill Placement

Material for engineered fill should be select free of organic material, debris, and other deleterious substances, possess a *very low* expansive potential (EI □ 21) and should not contain fragments greater than 3 inches in maximum dimension. On-site excavated soils that meet these requirements may be used to backfill the excavated building pad and pavement areas.

All fill should be placed in 8-inch-thick maximum loose lifts, moisture conditioned above the soil's optimum moisture content, and then compacted in place to at least 90 percent of the Modified Proctor maximum density, and in accordance with the enclosed "Guide Structural Fill Specifications".

The upper 12 inches of subgrade material within pavement areas should be moisture conditioned slightly above the soil's optimum moisture content, and then compacted in place to at least 90 percent of the Modified Proctor maximum density, and in accordance with the enclosed "Guide Structural Fill Specifications". A representative of the project geotechnical engineer should be present on-site during grading operations to verify proper placement and compaction of all fill, as well as to verify compliance with the other geotechnical recommendations presented herein.

6.3 Construction Considerations

Construction Dewatering

As mentioned previously, groundwater was not encountered during our subsurface investigation. However, the site may be susceptible to the development of shallow perched water conditions. In the event that shallow perched water is encountered, filter sump pumps placed within pits in the bottoms of excavations are expected to be the most feasible method of construction dewatering.

Soil Excavation

Some slope stability problems should be expected in steep, unbraced excavations considering the nature of the subsoils. All excavations must be performed in accordance with CAL-OSHA requirements, which is the responsibility of the contractor. Shallow excavations may be adequately sloped for bank stability while deeper excavations or excavations where adequate back sloping cannot be performed may require some form of external support such as shoring or bracing.

6.4 Foundation Recommendations

Upon completion of the recommended building pad preparation, the proposed structures may be supported by a shallow foundation system underlain by a minimum 1 foot thick structural fill layer. Footings or part of the mat/slab that will support the bearing walls and isolated columns may be designed for a maximum, net, allowable soil-bearing pressure of 3,000 pounds per square foot (psf). Structural loads supported by a mat/slab may be designed for a maximum modulus of subgrade reaction (k_s) of 90 pounds per square inch per inch (psi/in.). Minimum footing and grade beam widths are recommended to be 18 and 24 inches for walls and columns, respectively, regardless of the calculated soil bearing pressure. The recommended allowable soil bearing pressure and modulus may be increased by one-third for short term wind and/or seismic loads.

Reinforcing

The design of the foundations and the determination of the steel reinforcing should be performed by the project structural engineer.

Lateral Load Resistance

Lateral load resistance will be developed by a combination of friction acting at the base of foundations and slabs and the passive earth pressure developed by footings below grade. Passive pressure and friction may be used in combination, without reduction, in determining the total resistance to lateral loads.

A coefficient of friction of 0.40 may be used with dead load forces for footings placed on newly placed compacted fill soil. An allowable passive earth pressure of 250 psf per foot of footing depth (pcf) below the lowest adjacent grade may be used for the sides of footings placed against newly placed structural fill. The maximum recommended allowable passive pressure is 2,000 psf.

Bearing Material Criteria

Structural fill placed and compacted under engineering controlled conditions continuous from suitable native soils are considered to be suitable for direct foundation support. Soil suitable to serve as the subgrade for placement of structural fill within the zone of foundation influence should exhibit at least a loose relative density (average N value of at least 8) for non-cohesive soils or possess a stiff consistency (average unconfined compressive strength of 1.5 tsf) for cohesive soils for the

recommended allowable soil bearing pressure. For design and construction estimating purposes, suitable bearing soils are expected to be encountered at the recommended over-excavation depths, following grading. Field testing by the geotechnical engineer within the foundation bearing soils is recommended to document that the foundation support soils possess the minimum strength parameters noted above. Testing may consist of Dynamic Cone Penetration tests (per ASTM Special Publication 399), pocket penetrometer tests or other tests as deemed suitable by the Geotechnical Engineer. If unsuitable bearing soils are encountered, they should be recompacted in-place, if feasible, or excavated to a suitable bearing soil subgrade and to a lateral extent as defined by Item No. 3 of the enclosed Guide Specifications, with the excavation backfilled with structural compacted fill to develop a uniform bearing grade.

Foundation Embedment

The *California Building Code (CBC)* requires a minimum 12-inch foundation embedment depth. However, it is recommended that exterior foundations extend at least 18 inches below the adjacent exterior grade for bearing capacity and to provide greater protection of the moisture sensitive bearing soils. Interior footings may be supported at nominal depth below the floor. All footings must be protected against weather and water damage during and after construction, and must be supported by suitable bearing materials.

Estimated Foundation Movement

Post-construction total and differential settlement of a shallow foundation system designed and constructed in accordance with the recommendations provided in this report are estimated to be less than 1 and □ inch, respectively, for static conditions. The estimated differential movement (1/2 inch) is estimated to occur over a clear span of 20 feet for spread footing foundations and a clear span of 40 feet for a mat foundation.

6.5 Floor Slab Recommendations

Subgrade

The floor slab subgrade should be prepared in accordance with the appropriate recommendations presented in the Site Development Recommendations section of this report. Foundation, utility trenches and other below-slab excavations should be backfilled with structural compacted fill in accordance with the project specifications.

Design (Conventional Slab-On-Grade)

The floor may be designed as a conventional slab-on-grade where the floor is independent of the foundations, or as a mat/slab where the floor also serves as the foundation system. Design parameters for the mat/slab are provided in section 6.4.

The ground floor of the proposed structure may be designed and constructed as a conventional slab-on-grade where the floor slab is independent of the foundation system. The at-grade floor may be designed as a "Mat on Elastic Foundation" using a Modulus of Subgrade Reaction (k_s) of 250 pounds per cubic inch (pci) where the slab provides no structural support for the interior load bearing walls and/or columns. The design of the slab is recommended to be performed by the project structural engineer to ensure proper reinforcing and thickness.

Conventional Slab-On-Grade and Mat/Slab

The floor slab is recommended to be underlain by a 4-inch thick layer of granular base, which is not included as a portion of the recommended structural fill layer recommended in Section 6.2 Building Pad Preparation. A 15-mil synthetic sheet should be placed below the floor slab to serve as a vapor retarder where required to protect moisture sensitive floor coverings (i.e. tile, or carpet, etc.) and control moisture through the floor slab. It is recommended that a structural engineer or architect specify the vapor retarder location with careful consideration of concrete curing and the effects of moisture. The vapor retarder is recommended to be in accordance with ASTM E 1745-97, which is entitled: *Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs*. If materials underlying the synthetic sheet contain sharp, angular particles, a layer of sand approximately 2 inches thick or a geotextile should be provided to protect it from puncture. An additional 2-inch thick layer of sand may be needed between the slab and the vapor retarder to promote proper curing. Proper curing techniques are recommended to reduce the potential for shrinkage cracking and slab curling.

Estimated Slab-on-Grade Settlement

With proper site preparation and construction monitoring, the total and differential settlements of a conventional slab-on-grade, are estimated to be less than □ and □ inches across a 20 foot span, respectively.

6.6 Retaining Wall Recommendations

Due to the planned building layout with partial basement, a retaining wall up to about 10 feet in height, extending north/south along the eastern building wall, will be required. The retained soil height on the partial basement walls on the north and south sides of the building will reduce from 10 feet to zero, from the east to west building walls, respectively, requiring retaining walls on the north and south building lines. Therefore, 3 retaining walls are planned for the building partial basement level on the east, north, and south building lines.

The retaining wall(s) may be designed as conventional reinforced concrete walls supported by spread footings designed for an allowable soil bearing pressure of 3,000 psf. In the areas where the walls onsite exceed 6 feet in height, it is required that increased earth pressures on the walls, due to seismic forces, be evaluated.

Static and Seismic Lateral Earth Pressures

For cantilevered retaining walls (active condition) we recommend an equivalent fluid pressure (EFP) of 35 pcf. For braced or restrained retaining walls (at-rest condition), an EFP of 55 pcf is recommended. For seismic pressures required for walls in excess of 6 feet in height, a seismic increment of 23 pcf is recommended. The seismic increase was calculated using the seismic coefficient, which was of the PGAm (0.77g) for the site determined from the Seismic Design Maps tool from the SEAOC/OSHPD website.

For both active and at-rest conditions the pressure recommended for design is also based on level backfill extending at least 150 of the wall height behind the wall, and surface drainage directed away from the wall.

All walls should also be designed to support any adjacent structural surcharge loads imposed vehicle loading, which is considered to be minimal due to pavement setbacks, in addition to the above recommended earth pressures. On-site soil materials may be used as backfill behind walls, provided they are confirmed to have a *very low* expansive (EI 21) characteristic and allow for a drainage layer as discussed in subsequent paragraphs.

A coefficient of friction of 0.40 is recommended for footings placed on newly placed compacted fill soil. An allowable passive earth pressure of 250 psf per foot of footing depth (pcf) below the lowest adjacent grade may be used for the sides of footings placed against newly placed structural fill. The maximum recommended allowable passive pressure is 2,000 psf.

Drainage and Damp-proofing

Retaining walls are recommended to be designed for drained earth pressures and therefore, adequate drainage should be provided behind the walls. This can be accomplished by installing subdrains at the base of the walls. Wall footing-drains should consist of a system of filter material and perforated pipe. The perforated pipe system should consist of 4-inch diameter, schedule 40, PVC pipe or equivalent, embedded in -inch open graded gravel or crushed rock enveloped in Mirafi 140 geofabric or equivalent. The pipe should be placed at the base of the wall, and then routed to a suitable area for discharge of accumulated water. Backfill behind the wall may consist of free-draining granular on-site materials.

Wall backfill should be protected against infiltration of surface water. Backfill adjacent to walls should be sloped so that surface water drains freely away from the wall and will not pond. Damp-proofing of walls below-grade is recommended to prevent efflorescence.

Wall Backfill

Retaining wall backfill behind the drainage layers should consist of *very low* expansive soils (EI 21), as determined by ASTM D 4829 method. Wall backfill should not contain organic material, rubble, debris, and rocks or cemented fragments larger than 3 inches in greatest dimension. A 1 foot thick

low-expansive cohesive layer, or pavement, should be placed at the surface to help prevent surface water intrusion. A geotextile or filter fabric should be placed between the granular drainage layers and adjacent soils (excavated face or compacted materials) to prevent fines from migrating into the drainage layers.

Backfill should be placed in lifts not exceeding 8 inches in thickness, moisture conditioned to slightly above optimum moisture content, and mechanically compacted throughout to at least 90 percent of the maximum dry density as determined by Modified Proctor (ASTM D 1557). Retaining walls should be properly braced prior to placement and compaction of backfill should be performed with extreme care not to damage the walls.

6.7 New Pavement

The following recommendations for the new pavement (if needed) are intended for vehicular traffic associated with the hotel development within the subject property.

New Pavement Subgrades

Following completion of the recommended subgrade preparation procedures, the subgrade in areas of new pavement construction are expected to consist of existing on-site soil that exhibit a *very low* expansion potential and based on a USCS designation of SC. An R-value of 10 has been assumed in the preparation of the pavement design. It should however, be recognized that the City of Covina may require a specific R-value test to verify the use of the following design. It is recommended that this testing, if required, be conducted following completion of rough grading in the proposed pavement areas so that the R-value test results are indicative of the actual pavement subgrade soils. Alternatively, a minimum code pavement section may be required if a specific R-value test is not performed. To use this R-value, all fill added to the pavement subgrade must have pavement support characteristics at least equivalent to the existing soils, and must be placed and compacted in accordance with the project specifications.

Asphalt Pavements

The following table presents recommended thicknesses for a new flexible pavement structure consisting of asphaltic concrete over a granular base, along with the appropriate CALTRANS specifications for proper materials and placement procedures. An alternate pavement section has been provided for use in parking stall areas due to the anticipated lower traffic intensity in these areas. However, care must be used so that truck traffic is excluded from areas where the thinner pavement section is used, since premature pavement distress may occur. In the event that heavy vehicle traffic cannot be excluded from the specific areas, the pavement section recommended for drive lanes should be used throughout the parking lot.

ASPHALT PAVEMENTS			
Materials	**Thic□ness (inches)**		**CALTRANS Specifications**
	Par□ing Stalls (TI□4.0)	**Drive Lanes (TI□5.0)**	
Asphaltic Concrete Surface Course (b)	1	1	Section 39, (a)
Asphaltic Concrete Binder Course (b)	2	2	Section 39, (a)
Crushed Aggregate Base Course	6	9	Section 26, Class 2 (R-value at least 78)

NOTES:
(a) Compaction to density between 95 and 100 percent of the 50-Blow Marshall Density
(b) The surface and binder course may be combined as a single layer placed in one lift if similar materials are utilized.

Pavement recommendations are based upon CALTRANS design parameters for a twenty-year design period and assume proper drainage and construction monitoring. It is, therefore, recommended that the geotechnical engineer monitors and tests subgrade preparation, and that the subgrade be evaluated immediately before pavement construction.

Portland Concrete Pavements

Portland Cement Concrete pavements are recommended in areas where traffic is concentrated such as the entrance/exit aprons as well as areas subjected to heavy loads such as the trash enclosure loading zone. The preparation of the subgrade soils within concrete pavement areas should be performed as previously described in this report. Portland Cement Concrete pavements in high stress areas are recommended to be at least 6 inches thick containing No. 3 bars at 18-inch on-center both ways placed at mid-height. The pavement should be constructed in accordance with Section 40 of the CALTRANS Standard Specifications. A minimum 4-inch thick layer of base course (CALTRANS Class 2) is recommended below the concrete pavement. This base course should be compacted to at least 95% of the material's maximum dry density.

The maximum joint spacing within all of the Portland Cement Concrete pavements is recommended to be 15 feet to control shrinkage cracking. Load transfer reinforcing is recommended at construction joints perpendicular to traffic flow if construction joints are not properly keyed. In this event, □-inch diameter smooth dowel bars, 18 inches in length placed at 12 inches on-center are recommended where joints are perpendicular to the anticipated traffic flow. Expansion joints are recommended only where the pavement abuts fixed objects such as light standard foundations. Tie bars are recommended at the first joint within the perimeter of the concrete pavement area. Tie bars are recommended to be No. 4 bars at 42-inch on-center spacings and at least 48 inches in length.

General Considerations

Pavement recommendations assume proper drainage and construction monitoring and are based on traffic loads as indicated previously. Pavement designs are based on either PCA or CALTRANS design parameters for twenty (20) year design period. However, these designs are also based on a routine pavement maintenance program and significant asphalt concrete pavement rehabilitation after about 8 to 10 years, in order to obtain a reasonable pavement service life.

6.8 Recommended Construction Materials Testing Services

The report was prepared assuming that Giles will perform Construction Materials Testing (CMT) services during construction of the proposed development. In general, CMT services are recommended (and expected) to at least include observation and testing of foundation and pavement support soil and other construction materials. It might be necessary for Giles to provide supplemental geotechnical recommendations based on the results of CMT services and specific details of the project not known at this time.

6.9 Basis of Report

This report is based on Giles' proposal, which is dated April 22, 2021 and is referenced by Giles' proposal number 2GP-2104006. The actual services for the project varied somewhat from those described in the proposal because of the conditions that were encountered while performing the services and in consideration of the proposed project.

This report is strictly based on the project description given earlier in this report. Giles must be notified if any parts of the project description or our assumptions are not accurate so that this report can be amended, if needed. This report is based on the assumption that the facility will be designed and constructed according to the codes that govern construction at the site.

The conclusions and recommendations in this report are based on estimated subsurface conditions as shown on the *Records of Subsurface Exploration*. Giles must be notified if the subsurface conditions that are encountered during construction of the proposed development differ from those shown on the *Records of Subsurface Exploration* because this report will likely need to be revised. General comments and limitations of this report are given in the appendix.

□ Giles Engineering Associates, Inc. 2021

APPENDIX A

FIGURES AND TEST BORING LOGS

The Test Boring Location Plan contained herein was prepared based upon information supplied by *Giles* client, or others, along with *Giles* field measurements and observations. The diagram is presented for conceptual purposes only and is intended to assist the reader in report interpretation.

The Test Boring Logs and related information enclosed herein depict the subsurface (soil and water) conditions encountered at the specific boring locations on the date that the exploration was performed. Subsurface conditions may differ between boring locations and within areas of the site that were not explored with test borings. The subsurface conditions may also change at the boring locations over the passage of time.

NOTES:

1.) TEST BORING LOCATIONS ARE APPROXIMATE.

2.) BASE MAP DEVELOPED FROM THE "ATLA/NSPS LAND TITLE SURVEY", DATED 5-7-2021, PREPARED BY CRC ENGINEERING, INC.

3.) PROPOSED FEATURES ARE APPROXIMATE BASED ON THE "CONCEPTUAL SITE PLAN" (SHEET 2), DATED 5-19-2021, PREPARED BY KSP STUDIO.

N. GLENDORA AVE.

CYPRESS STREET (PUBLIC STREET)

PROPOSED CURBING

PROPOSED BUILDING
(2nd FLOOR F.F. = 0.0' = 76.0')
(1st FLOOR F.F. = -10.0' = 66.0')
(NO BASEMENT)

PROPOSED ENCLOSURE

ELEVATOR

STAIRS

STAIRS

ELEVATOR

1330 CYPRESS STREET
2 STORY CONCRETE
BUILDING HEIGHT: 27.5' ±
FOOTPRINT AREA: 39,804 SF ±

LOT 1 (PORTION)

C.J. HEYLER TRACT
M.B. 13 / 42

RECORD OF SURVEY
R.S.B. 96 / 63

PACIFIC ELECTRIC RIGHT-OF-WAY

WATER VALVE ASSEMBLY
DOUBLE DETECTOR CHECK

SEE SURVEYOR'S NOTE 1

BACK OF WALK, BLOCK WALL AND CURB ON PL

BLOCK WALL AND CURB ON PL

TRASH ENCLOSURE

ELECTRIC CABINETS

BLOCK WALL ON PL
6' CHAIN LINK FENCE 0.2' E OF PL
EDGE OF CONC GUTTER 0.7' W OF PL

ELECTRIC METER
ELECTRIC METER
ELECTRIC METER
GAS METER
GAS METER

6' CHAIN LINK FENCE 0.4' E OF PL
EDGE OF CONC GUTTER ON PL

UNKNOWN UTILITY BOX

6' CHAIN LINK FENCE 0.4' E OF PL
EDGE OF CONC GUTTER ON PL

ADJACENT BUILDING 1.3' W OF PL

TRANSFORMER ON PL

20"ø PALM TREE ON PL

UNKNOWN UTILITY BOX ON PL

WATER UTILITY CABINET ON PL

ADJACENT BUILDING 1.1' W OF PL

20"ø TREE ON PL

TRASH ENCLOSURE

GATE AND 6' CHAIN LINK FENCE ON PL
ACCESS TO ADJACENT PROPERTY

6' CHAIN LINK FENCE ON PL

TANK

GREASE INTERCEPTOR

GREASE INTERCEPTOR

GREASE INTERCEPTOR

DROP INLET

ELECTRIC CABINETS

TRANSFORMER

ELECTRIC CABINET

AIR COMPRESSORS

ELECTRIC CABINET

TRASH ENCLOSURE

DROP INLET

COOLING TOWER

COOLING TOWERS

CURB ON PL
W FACE OF BLOCK WALL ON PL
BACK OF WALK ON PL

6' CHAIN LINK FENCE 0.6' W OF PL

ELECTRIC VAULT

TRANSFORMER

GAS METER

ADJACENT BUILDING ON PL
W FACE OF BLOCK WALL ON PL

6' CHAIN LINK FENCE 0.9' W OF PL

ADJACENT BUILDING ON PL

6' CHAIN LINK FENCE 0.3' W OF PL
W FACE OF BLOCK WALL ON PL
6' CHAIN LINK FENCE ON PL

ASPHALT RAMP
ACCESS TO ADJACENT PROPERTY

6' CHAIN LINK FENCE 0.6' W OF PL

6' CHAIN LINK FENCE ON PL
CONCRETE GUTTER ON PL

6' CHAIN LINK FENCE 0.7' W OF PL
EDGE OF CONC GUTTER 0.7' W OF PL

6' CHAIN LINK FENCE 0.7' W OF PL
EDGE OF CONC GUTTER 0.3' SE OF PL

6' CHAIN LINK FENCE ON PL

ASPH

CONC WALK

CONC

GRASS

OH

ELECTRIC

CATV

TELEPHONE

WATER

ACCESS 10' P/E

ACCESS 15' P/E

N

W E

S

0 25' 50'

APPROXIMATE SCALE

LEGEND:

① GEOTECHNICAL TEST BORING

⑧ P1 GEOTECHNICAL TEST BORING / PERCOLATION TEST BORING

GILES ENGINEERING ASSOCIATES, INC.
1965 N. MAIN STREET
ORANGE, CA 92865 (714)279-0817
www.gilesengr.com

FIGURE 1
TEST BORING LOCATION PLAN
PROPOSED PUBLIC STORAGE
1330 E. CYPRESS STREET
COVINA, CALIFORNIA

DESIGNED	DRAWN	SCALE	DATE	REVISED
JLM	JLM	approx. 1"=50'	07-28-21	--
PROJECT NO.: 2G-2104006			CAD No. 2g2104006-blp	

BORING NO. & LOCATION: B-1	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION: 670 feet	PROPOSED PUBLIC STORAGE FACILITY	
COMPLETION DATE: 05/11/21	1330 E. CYPRESS STREET COVINA, CA	
FIELD REP: ROBERT TORRES	PROJECT NO: 2G-2104006	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
Approximately 3 inches of asphaltic concrete over 5 inches of aggregate base										
Brown Silty fine Sand, trace Gravel - Moist (Possible Fill)			1-SS	3				8		EI=11 Very low bulk sample (0-12 feet)
Light Brown Gravelly fine to medium Sand - Damp	5	665	2-SS	10				4		
			3-SS	38				2		
Light Brown Gravelly fine to medium Sand - Damp (Possible Cobbles and Boulders)	10	660	4-SS	27				2		
	15	655	5-SS	50/5"				3		
	20	650	6-SS	35				3		
	25	645	7-SS	63				3		
Boring Terminated at about 26.5 feet (EL. 643.5')										

Water Observation Data	Remarks:
Water Encountered During Drilling: None	SS = Standard Penetration Test
Water Level At End of Drilling:	
Cave Depth At End of Drilling:	
Water Level After Drilling:	
Cave Depth After Drilling:	

GILES LOG REPORT 2G-2104006.GPJ GILES.GDT 7/30/21

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: B-2	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION: 671 feet	PROPOSED PUBLIC STORAGE FACILITY	
COMPLETION DATE: 05/11/21	1330 E. CYPRESS STREET COVINA, CA	
FIELD REP: ROBERT TORRES	PROJECT NO: 2G-2104006	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
Approximately 3 inches of asphaltic concrete over 6 inches of aggregate base		670	1-SS	6				8		
Brown Gravelly Sand and Silt - Moist (Fill)			2-SS	25				2		
Light Brown Silty Sand with Gravel - Dry			3-SS	28				2		
Brown Silty fine Sand with Gravel - Dry (Possible Cobbles and Boulders)	10	660	4-SS	33				1		
			5-SS	50/6"				3		
Brown Silty fine Sand with Cobbles and Gravel - Dry	20	650	6-SS	57				2		
Light Brown Gravel with Cobbles and Possible Boulders - Damp			7-SS	50/6"				1		
Boring Terminated at about 26.5 feet (EL. 644.5')										

Water Observation Data	Remarks:
Water Encountered During Drilling: None	SS = Standard Penetration Test
Water Level At End of Drilling:	
Cave Depth At End of Drilling:	
Water Level After Drilling:	
Cave Depth After Drilling:	

GILES LOG REPORT 2G-2104006.GPJ GILES.GDT 7/30/21

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: B-3	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION: 669 feet	PROPOSED PUBLIC STORAGE FACILITY	
COMPLETION DATE: 05/11/21	1330 E. CYPRESS STREET COVINA, CA	
FIELD REP: ROBERT TORRES	PROJECT NO: 2G-2104006	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
Approximately 3 inches of asphaltic concrete over 5 inches of aggregate base										
Brown Silty fine Sand, trace Clay - Moist (Fill)			1-SS	5				19		
Brown Silty fine Sand, trace Gravel - Moist	5	665	2-SS	6				6		
			3-SS	7				6		
	10	660	4-SS	9				12		
Brown coarse Sand with Gravel - Dry		655								
	15		5-SS	55				3		
		650								
	20		6-SS	57				1		
		645								
Brown Silty fine Sand, trace Gravel - Moist	25		7-SS	24				13		
Boring Terminated at about 26.5 feet (EL. 642.5')										

Water Observation Data	Remarks:
Water Encountered During Drilling: None	SS = Standard Penetration Test
Water Level At End of Drilling:	
Cave Depth At End of Drilling:	
Water Level After Drilling:	
Cave Depth After Drilling:	

GILES LOG REPORT 2G-2104006.GPJ GILES.GDT 7/30/21

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: B-4/P-2	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION: 668 feet	PROPOSED PUBLIC STORAGE FACILITY	
COMPLETION DATE: 05/11/21	1330 E. CYPRESS STREET COVINA, CA	
FIELD REP: ROBERT TORRES	PROJECT NO: 2G-2104006	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
Approximately 3 inches of asphaltic concrete over 5 inches of aggregate base			1-SS	4				6		
Brown Silty fine Sand coarse Gravel - Moist (Fill)			2-CS	14				3		
Brown Silty fine to medium Sand, trace Gravel - Moist			3-CS	36				1		
Light Brown coarse fine to medium Sand with Gravel - Dry		660								
	10		4-SS	46				1		
			5-SS	85				1		
		650								
	20		6-SS	29				3		
Brown Silty fine Sand with Gravel and Cobbles - Dry			7-SS	50/3"						
Boring Terminated at about 26.5 feet (EL. 641.5')										

Water Observation Data	Remarks:
Water Encountered During Drilling: None	CS = California Split Spoon
Water Level At End of Drilling:	SS = Standard Penetration Test
Cave Depth At End of Drilling:	Note: Percolation test performed at 5 feet below grade at a distance of about 5 feet from 0-4
Water Level After Drilling:	
Cave Depth After Drilling:	

GILES LOG REPORT 2G-2104006.GPJ GILES.GDT 7/30/21

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: B-5	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION: 666 feet	PROPOSED PUBLIC STORAGE FACILITY	
COMPLETION DATE: 05/11/21	1330 E. CYPRESS STREET COVINA, CA	
FIELD REP: ROBERT TORRES	PROJECT NO: 2G-2104006	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
Approximately 2 inches of asphaltic concrete over 3 inches of aggregate base		665								
Brown fine Sandy Silt, trace Gravel - Moist (Fill)			1-SS	5				8		
Brown fine Sandy Silt, trace Gravel - Moist (Possible Fill)	5		2-SS	5				11		
Brown Silty fine to medum Sand, trace Gravel - Dry		660	3-SS	12				1		
Brown Silty fine Sand, trace Gravel - Moist	10	655	4-SS	10				5		
Brown coarse Sand with Gravel - Dry	15	650	5-SS	44				1		
Brown Silty fine Sand with Gravel - Moist	20	645	6-SS	27				2		
	25	640	7-SS	46				1		
Boring Terminated at about 26.5 feet (EL. 639.5')										

Water Observation Data	Remarks:
Water Encountered During Drilling: None	SS = Standard Penetration Test
Water Level At End of Drilling:	
Cave Depth At End of Drilling:	
Water Level After Drilling:	
Cave Depth After Drilling:	

GILES LOG REPORT 2G-2104006.GPJ GILES.GDT 7/30/21

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: B-6	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION: 664 feet	PROPOSED PUBLIC STORAGE FACILITY	
COMPLETION DATE: 05/11/21	1330 E. CYPRESS STREET COVINA, CA	
FIELD REP: ROBERT TORRES	PROJECT NO: 2G-2104006	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
Approximately 2 inches of asphaltic concrete over 3 inches of aggregate base			1-SS	5				2		
Brown Silty fine Sand - Damp (Possible Fill)		660	2-SS	6				5		
Brown Silty fine Sand, trace Gravel - Moist			3-SS	13				18		
Brown Silty fine Sand, trace Gravel - Dry	10		4-SS	15				2		
Light Brown Gravelly fine to coarse Sand - Damp		650	5-SS	40				3		
Light Brown Silty fine Sand with Gravel - Dry	20		6-SS	24				1		
		640	7-SS	57				2		
Brown Silty fine to medium Sand - Moist	30		8-SS	47				1		
		630								
Brown Silty fine Sand, trace Gravel - Dry			9-SS	61				1		
Boring Terminated at about 36.5 feet (EL. 627.5')										

Water Observation Data	Remarks:
Water Encountered During Drilling: None	SS = Standard Penetration Test
Water Level At End of Drilling:	
Cave Depth At End of Drilling:	
Water Level After Drilling:	
Cave Depth After Drilling:	

GILES LOG REPORT 2G-2104006.GPJ GILES.GDT 7/30/21

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: B-7	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION: 666 feet	PROPOSED PUBLIC STORAGE FACILITY	
COMPLETION DATE: 05/11/21	1330 E. CYPRESS STREET COVINA, CA	
FIELD REP: ROBERT TORRES	PROJECT NO: 2G-2104006	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
Approximately 4 inches of asphaltic concrete over 4 inches of aggregate base		665	1-SS	6				5		
Brown Silty fine Sand, trace Gravel - Moist (Fill)										
Brown Silty fine Sand, trace Gravel - Moist			2-SS	4				3		
	5	660	3-SS	19				2		
Light Brown Silty fine Sand with Gravel - Dry	10	655	4-SS	24				2		
Light Brown coarse Sand and Gravel - Dry (Possible Cobbles and Boulders)	15	650	5-SS	75				2		
	20	645	6-SS	50/5"				2		
	25	640	7-SS	61				4		
Boring Terminated at about 26.5 feet (EL. 639.5')										

Water Observation Data	Remarks:
Water Encountered During Drilling: None	SS = Standard Penetration Test
Water Level At End of Drilling:	
Cave Depth At End of Drilling:	
Water Level After Drilling:	
Cave Depth After Drilling:	

GILES LOG REPORT 2G-2104006.GPJ GILES.GDT 7/30/21

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: B-8/P-1	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION: 669 feet	PROPOSED PUBLIC STORAGE FACILITY	
COMPLETION DATE: 05/11/21	1330 E. CYPRESS STREET COVINA, CA	
FIELD REP: ROBERT TORRES	PROJECT NO: 2G-2104006	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
Approximately 3 inches of asphaltic concrete over 3 inches of aggregate base										
Brown Silty fine Sand, with Gravel - Moist (Fill)			1-SS	5				5		
			2-CS	19				5		
Light Brown Silty fine to coarse Sand with Gravel - Dry (Possible Cobbles and Boulders)			3-CS	43				4		
	10	660	4-SS	39				2		
			5-SS	81				3		
	20	650	6-SS	50/6"				3		
Brown Silty fine Sand, trace Gravel - Damp			7-SS	37				1		
	30	640								
Brown Silty fine Sand with Gravel - Moist			8-SS	44				5		
Brown Silty fine Sand with Gravel and Cobbles - Dry			9-SS	50/4"				3		
Boring Terminated at about 36.5 feet (EL. 632.5')										

Water Observation Data	Remarks:
Water Encountered During Drilling: None	CS = California Split Spoon
Water Level At End of Drilling:	SS = Standard Penetration Test
Cave Depth At End of Drilling:	Note: Percolation test performed at 5 feet below grade at a distance of about 5 feet from 0-4
Water Level After Drilling:	
Cave Depth After Drilling:	

GILES LOG REPORT 2G-2104006.GPJ GILES.GDT 7/30/21

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

APPENDIX B

FIELD PROCEDURES

The field operations were conducted in general accordance with the procedures recommended by the American Society for Testing and Materials (ASTM) designation D

420 entitled “Standard Guide for Sampling Rock and Rock” and/or other relevant specifications. Soil samples were preserved and transported to *Giles* laboratory in general accordance with the procedures recommended by ASTM designation D 4220 entitled “Standard Practice for Preserving and Transporting Soil Samples.” Brief descriptions of the sampling, testing and field procedures commonly performed by *Giles* are provided herein.

GENERAL FIELD PROCEDURES

Test Boring Elevations

The ground surface elevations reported on the Test Boring Logs are referenced to the assumed benchmark shown on the Boring Location Plan (Figure 1). Unless otherwise noted, the elevations were determined with a conventional hand-level and are accurate to within about 1 foot.

Test Boring Locations

The test borings were located on-site based on the existing site features and/or apparent property lines. Dimensions illustrating the approximate boring locations are reported on the Boring Location Plan (Figure 1).

Water Level Measurement

The water levels reported on the Test Boring Logs represent the depth of "free" water encountered during drilling and/or after the drilling tools were removed from the borehole. Water levels measured within a granular (sand and gravel) soil profile are typically indicative of the water table elevation. It is usually not possible to accurately identify the water table elevation with cohesive (clayey) soils, since the rate of seepage is slow. The water table elevation within cohesive soils must therefore be determined over a period of time with groundwater observation wells.

It must be recognized that the water table may fluctuate seasonally and during periods of heavy precipitation. Depending on the subsurface conditions, water may also become perched above the water table, especially during wet periods.

Borehole Backfilling Procedures

Each borehole was backfilled upon completion of the field operations. If potential contamination was encountered, and/or if required by state or local regulations, boreholes were backfilled with an "impervious" material (such as bentonite slurry). Borings that penetrated pavements, sidewalks, etc. were "capped" with Portland Cement concrete, asphaltic concrete, or a similar surface material. It must, however, be recognized that the backfill material may settle, and the surface cap may subside, over a period of time. Further backfilling and/or re-surfacing by *Giles'* client or the property owner may be required.

FIELD SAMPLING AND TESTING PROCEDURES

Auger Sampling (AU)

Soil samples are removed from the auger flights as an auger is withdrawn above the ground surface. Such samples are used to determine general soil types and identify approximate soil stratifications. Auger samples are highly disturbed and are therefore not typically used for geotechnical strength testing.

Split-Barrel Sampling (SS) – (ASTM D-1586)

A split-barrel sampler with a 2-inch outside diameter is driven into the subsoil with a 140-pound hammer free-falling a vertical distance of 30 inches. The summation of hammer-blows required to drive the sampler the final 12-inches of an 18-inch sample interval is defined as the "Standard Penetration Resistance" or N-value is an index of the relative density of granular soils and the comparative consistency of cohesive soils. A soil sample is collected from each SPT interval.

Shelby Tube Sampling (ST) – (ASTM D-1587)

A relatively undisturbed soil sample is collected by hydraulically advancing a thin-walled Shelby Tube sampler into a soil mass. Shelby Tubes have a sharp cutting edge and are commonly 2 to 5 inches in diameter.

Bulk Sample (BS)

A relatively large volume of soils is collected with a shovel or other manually-operated tool. The sample is typically transported to *Giles'* materials laboratory in a sealed bag or bucket.

Dynamic Cone Penetration Test (DC) – (ASTM STP 399)

This test is conducted by driving a 1.5-inch-diameter cone into the subsoil using a 15-pound steel ring (hammer), free-falling a vertical distance of 20 inches. The number of hammer-blows required to drive the cone 1□ inches is an indication of the soil strength and density, and is defined as "N". The Dynamic Cone Penetration test is commonly conducted in hand auger borings, test pits and within excavated trenches.

- Continued -

Ring-Lined Barrel Sampling – (ASTM D 3550)

In this procedure, a ring-lined barrel sampler is used to collect soil samples for classification and laboratory testing. This method provides samples that fit directly into laboratory test instruments without additional handling/disturbance.

Sampling and Testing Procedures

The field testing and sampling operations were conducted in general accordance with the procedures recommended by the American Society for Testing and Materials (ASTM) and/or other relevant specifications. Results of the field testing (i.e. N-values) are reported on the Test Boring Logs. Explanations of the terms and symbols shown on the logs are provided on the appendix enclosure entitled “General Notes”.

APPENDIX C

LABORATORY TESTING AND CLASSIFICATION

The laboratory testing was conducted under the supervision of a geotechnical engineer in accordance with the procedures recommended by the American Society for Testing and Materials (ASTM) and/or other relevant specifications. Brief descriptions of laboratory tests commonly performed by *Giles* are provided herein.

LABORATORY TESTING AND CLASSIFICATION

Photoionization Detector (PID)

In this procedure, soil samples are "scanned" in *Giles'* analytical laboratory using a Photoionization Detector (PID). The instrument is equipped with an 11.7 eV lamp calibrated to a Benzene Standard and is capable of detecting a minute concentration of **certain** Volatile Organic Compound (VOC) vapors, such as those commonly associated with petroleum products and some solvents. Results of the PID analysis are expressed in HNu (manufacturer's) units rather than actual concentration.

Moisture Content (w) (ASTM D 2216)

Moisture content is defined as the ratio of the weight of water contained within a soil sample to the weight of the dry solids within the sample. Moisture content is expressed as a percentage.

Unconfined Compressive Strength (qu) (ASTM D 2166)

An axial load is applied at a uniform rate to a cylindrical soil sample. The unconfined compressive strength is the maximum stress obtained or the stress when 15□ axial strain is reached, whichever occurs first.

Calibrated Penetrometer Resistance (qp)

The small, cylindrical tip of a hand-held penetrometer is pressed into a soil sample to a prescribed depth to measure the soils capacity to resist penetration. This test is used to evaluate unconfined compressive strength.

Vane-Shear Strength (qs)

The blades of a vane are inserted into the flat surface of a soil sample and the vane is rotated until failure occurs. The maximum shear resistance measured immediately prior to failure is taken as the vane-shear strength.

Loss-on-Ignition (ASTM D 2974; Method C)

The Loss-on-Ignition (L.O.I.) test is used to determine the organic content of a soil sample. The procedure is conducted by heating a dry soil sample to 440□C in order to burn-off or "ash" organic matter present within the sample. The L.O.I. value is the ratio of the weight loss due to ignition compared to the initial weight of the dry sample. L.O.I. is expressed as a percentage.

Particle Size Distribution (ASTB D 421, D 422, and D 1140)

This test is performed to determine the distribution of specific particle sizes (diameters) within a soil sample. The distribution of coarse-grained soil particles (sand and gravel) is determined from a “sieve analysis,” which is conducted by passing the sample through a series of nested sieves. The distribution of fine-grained soil particles (silt and clay) is determined from a “hydrometer analysis” which is based on the sedimentation of particles suspended in water.

Consolidation Test (ASTM D 2435)

In this procedure, a series of cumulative vertical loads are applied to a small, laterally confined soil sample. During each load increment, vertical compression (consolidation) of the sample is measured over a period of time. Results of this test are used to estimate settlement and time rate of settlement.

Classification of Samples

Each soil sample was visually-manually classified, based on texture and plasticity, in general accordance with the Unified Soil Classification System (ASTM D-2488-75). The classifications are reported on the Test Boring Logs.

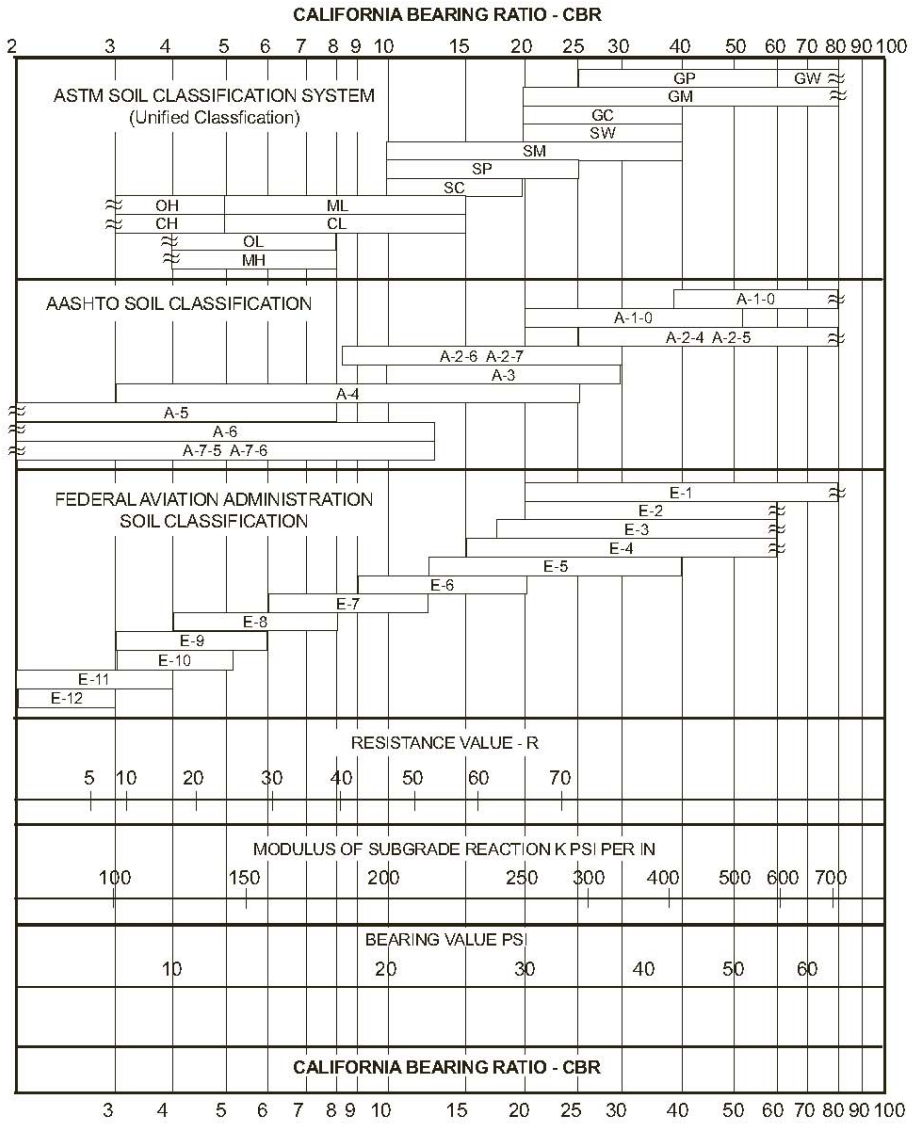
Laboratory Testing

The laboratory testing operations were conducted in general accordance with the procedures recommended by the American Society for Testing and Materials (ASTM) and/or other relevant specifications. Results of the laboratory tests are provided on the Test Boring Logs or other appendix enclosures. Explanation of the terms and symbols used on the logs is provided on the appendix enclosure entitled “General Notes.”

California Bearing Ratio (CBR) Test ASTM D-1833

The CBR test is used for evaluation of a soil subgrade for pavement design. The test consists of measuring the force required for a 3-square-inch cylindrical piston to penetrate 0.1 or 0.2 inch into a compacted soil sample. The result is expressed as a percent of force required to penetrate a standard compacted crushed stone.

Unless a CBR test has been specifically requested by the client, the CBR is estimated from published charts, based on soil classification and strength characteristics. A typical correlation chart is below.



APPENDIX D

GENERAL INFORMATION

GUIDE SPECIFICATIONS FOR SUBGRADE AND PREPARATION FOR FILL, FOUNDATION, FLOOR SLAB AND PAVEMENT SUPPORT; AND SELECTION, PLACEMENT AND COMPACTION OF FILL SOILS USING MODIFIED PROCTOR PROCEDURES

1. Construction monitoring and testing of subgrades and grades for fill, foundation, floor slab and pavement; and fill selection, placement and compaction shall be performed by an experienced soils engineer and/or his representatives.

2. All compacted fill, subgrades, and grades shall be (a) underlain by suitable bearing material, (b) free of all organic frozen, or other deleterious material, and (c) observed, tested and approved by qualified engineering personnel representing an experienced soils engineer. Preparation of subgrades after stripping vegetation, organic or other unsuitable materials shall consist of (a) proofrolling to detect soft, wet, yielding soils or other unstable materials that must be undercut, (b) scarifying top 6 to 8 inches, (c) moisture conditioning the soils as required, and (d) recompaction to same minimum in-situ density required for similar material indicated under Item 5. Note: Compaction requirements for pavement subgrade are higher than other areas. Weather and construction equipment may damage compacted fill surface and reworking and retesting may be necessary for proper performance.

3. In overexcavation and fill areas, the compacted fill must extend (a) a minimum 1 foot lateral distance beyond the exterior edge of the foundation at bearing grade or pavement at subgrade and down to compacted fill subgrade on a maximum 0.5(H):1(v) slope, (b) 1 foot above footing grade outside the building, and (c) to floor subgrade inside the building. Fill shall be placed and compacted on a 5(H):1(V) slope or must be stepped or benched as required to flatten if not specifically approved by qualified personnel under the direction of an experienced soils engineer.

4. The compacted fill materials shall be free of deleterious, organic, or frozen matter, shall contain no chemicals that may result in the material being classified as "contaminated", and shall be low-expansive with a maximum Liquid Limit (ASTM D-423) and Plasticity Index (ASTM D-424) of 30 and 15, respectively, unless specifically tested and found to have low expansive properties and approved by an experienced soils engineer. The top 12 inches of compacted fill should have a maximum 3 inch particle diameter and all underlying compacted fill a maximum 6 inch diameter unless specifically approved by an experienced soils engineer. All fill material must be tested and approved under the direction of an experienced soils engineer prior to placement. If the fill is to provide non-frost susceptible characteristics, it must be classified as a clean GW, GP, SW or SP per Unified Soils Classification System (ASTM D-2487).

5. For structural fill depths less than 20 feet, the density of the structural compacted fill and scarified subgrade and grades shall not be less than 90 percent of the maximum dry density as determined by Modified Proctor (ASTM D-1557) with the exception of the top 12 inches of pavement subgrade which shall have a minimum in-situ density of 95 percent of maximum dry density, or 5 percent higher than underlying structural fill materials. Where the structural fill depth is greater than 20 feet, the portion below 20 feet should have a minimum in-place density of 95 percent of its maximum dry density or 5 percent higher than the top 20 feet. Cohesive soils shall not vary by more than -1 to +3 percent moisture content and granular soil ±3 percent from the optimum when placed and compacted or recompacted, unless specifically recommended/approved by the soils engineer observing the placement and compaction. Cohesive soils with moderate to high expansion potentials (PI>15) should, however, be placed, compacted and maintained prior to construction at a 3±1 percent moisture content above optimum moisture content to limit future heave. Fill shall be placed in layers with a maximum loose thickness of 8 inches for foundations and 10 inches for floor slabs and pavements, unless specifically approved by the soils engineer taking into consideration the type of materials and compaction equipment being used. The compaction equipment should consist of suitable mechanical equipment specifically designed for soil compaction. Bulldozers or similar tracked vehicles are typically not suitable for compaction.

6. Excavation, filing, subgrade grade preparation shall be performed in a manner and sequence that will provide drainage at all times and proper control of erosion. Precipitation, springs, and seepage water encountered shall be pumped or drained to provide a suitable working platform. Springs or water seepage encountered during grade/foundation construction must be called to the soils engineer's attention immediately for possible construction procedure revision or inclusion of an underdrain system.

7. Non-structural fill adjacent to structural fill should typically be placed in unison to provide lateral support. Backfill along walls must be placed and compacted with care to ensure excessive unbalanced lateral pressures do not develop. The type of fill material placed adjacent to below grade walls (i.e. basement walls and retaining walls) must be properly tested and approved by an experienced soils engineer with consideration for the lateral pressure used in the wall design.

8. Wherever, in the opinion of the soils engineer or the Owner's Representatives, an unstable condition is being created either by cutting or filling, the work should not proceed into that area until an appropriate geotechnical exploration and analysis has been performed and the grading plan revised, if found necessary.

GENERAL COMMENTS

The soil samples obtained during the subsurface exploration will be retained for a period of thirty days. If no instructions are received, they will be disposed of at that time.

This report has been prepared exclusively for the client in order to aid in the evaluation of this property and to assist the architects and engineers in the design and preparation of the project plans and specifications. Copies of this report may be provided to contractor(s), with contract documents, to disclose information relative to this project. The report, however, has not been prepared to serve as the plans and specifications for actual construction without the appropriate interpretation by the project architect, structural engineer, and/or civil engineer. Reproduction and distribution of this report must be authorized by the client and *Giles*.

This report has been based on assumed conditions/characteristics of the proposed development where specific information was not available. It is recommended that the architect, civil engineer and structural engineer along with any other design professionals involved in this project carefully review these assumptions to ensure they are consistent with the actual planned development. When discrepancies exist, they should be brought to our attention to ensure they do not affect the conclusions and recommendations provided herein. The project plans and specifications may also be submitted to *Giles* for review to ensure that the geotechnical related conclusions and recommendations provided herein have been correctly interpreted.

The analysis of this site was based on a subsoil profile interpolated from a limited subsurface exploration. If the actual conditions encountered during construction vary from those indicated by the borings, *Giles* must be contacted immediately to determine if the conditions alter the recommendations contained herein.

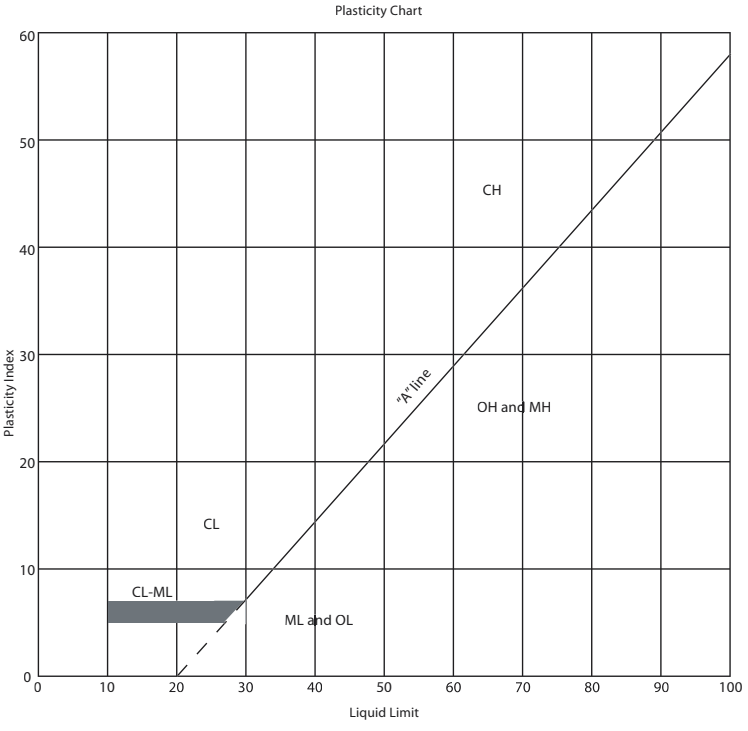
The conclusions and recommendations presented in this report have been promulgated in accordance with generally accepted professional engineering practices in the field of geotechnical engineering. No other warranty is either expressed or implied.

CHARACTERISTICS AND RATINGS OF UNIFIED SOIL SYSTEM CLASSES FOR SOIL CONSTRUCTION *									
Class	**Compaction Characteristics**	**Max. Dry Density Standard Proctor (pcf)**	**Compressibility and Expansion**	**Drainage and Permeability**	**Value as an Embankment Material**	**Value as Subgrade When Not Subject to Frost**	**Value as Base Course**	**Value as Temporary Pavement**	
								With Dust Palliative	**With Bituminous Treatment**
GW	Good: tractor, rubber-tired, steel wheel or vibratory roller	125-135	Almost none	Good drainage, pervious	Very stable	Excellent	Good	Fair to poor	Excellent
GP	Good: tractor, rubber-tired, steel wheel or vibratory roller	115-125	Almost none	Good drainage, pervious	Reasonably stable	Excellent to good	Poor to fair	Poor	
GM	Good: rubber-tired or light sheepsfoot roller	120-135	Slight	Poor drainage, semipervious	Reasonably stable	Excellent to good	Fair to poor	Poor	Poor to fair
GC	Good to fair: rubber-tired or sheepsfoot roller	115-130	Slight	Poor drainage, impervious	Reasonably stable	Good	Good to fair **	Excellent	Excellent
SW	Good: tractor, rubber-tired or vibratory roller	110-130	Almost none	Good drainage, pervious	Very stable	Good	Fair to poor	Fair to poor	Good
SP	Good: tractor, rubber-tired or vibratory roller	100-120	Almost none	Good drainage, pervious	Reasonably stable when dense	Good to fair	Poor	Poor	Poor to fair
SM	Good: rubber-tired or sheepsfoot roller	110-125	Slight	Poor drainage, impervious	Reasonably stable when dense	Good to fair	Poor	Poor	Poor to fair
SC	Good to fair: rubber-tired or sheepsfoot roller	105-125	Slight to medium	Poor drainage, impervious	Reasonably stable	Good to fair	Fair to poor	Excellent	Excellent
ML	Good to poor: rubber-tired or sheepsfoot roller	95-120	Slight to medium	Poor drainage, impervious	Poor stability, high density required	Fair to poor	Not suitable	Poor	Poor
CL	Good to fair: sheepsfoot or rubber-tired roller	95-120	Medium	No drainage, impervious	Good stability	Fair to poor	Not suitable	Poor	Poor
OL	Fair to poor: sheepsfoot or rubber-tired roller	80-100	Medium to high	Poor drainage, impervious	Unstable, should not be used	Poor	Not suitable	Not suitable	Not suitable
MH	Fair to poor: sheepsfoot or rubber-tired roller	70-95	High	Poor drainage, impervious	Poor stability, should not be used	Poor	Not suitable	Very poor	Not suitable
CH	Fair to poor: sheepsfoot roller	80-105	Very high	No drainage, impervious	Fair stability, may soften on expansion	Poor to very poor	Not suitable	Very poor	Not suitable
OH	Fair to poor: sheepsfoot roller	65-100	High	No drainage, impervious	Unstable, should not be used	Very poor	Not suitable	Not suitable	Not suitable
Pt	Not suitable		Very high	Fair to poor drainage	Should not be used	Not suitable	Not suitable	Not suitable	Not suitable

* "The Unified Classification: Appendix A - Characteristics of Soil, Groups Pertaining to Roads and Airfields, and Appendix B - Characteristics of Soil Groups Pertaining to Embankments and Foundations," Technical Memorandum 357, U.S. Waterways Ixperiment Station, Vicksburg, 1953.

** Not suitable if subject to frost.

UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D-2487)

Major Divisions			Group Symbols	Typical Names	Laboratory Classification Criteria	
Coarse-grained soils (more than half of material is larger than No. 200 sieve size)	Gravels (More than half of coarse fraction is larger than No. 4 sieve size)	Clean gravels (little or no fines)	GW	Well-graded gravels, gravel-sand mixtures, little or no fines	Determine percentages of sand and gravel from grain-size curve. Depending on percentage of fines (fraction smaller than No. 200 sieve size), coarse-grained soils are classified as follows: Less than 5 percent: GW, GP, SW, SP; More than 12 percent: GM, GC, SM, SC; 5 to 12 percent: *Borderline* cases requiring dual symbols[b]	$C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ between 1 and 3
			GP	Poorly graded gravels, gravel-sand mixtrues, little or no fines		Not meeting all gradation requirements for GW
		Gravels with fines (appreciable amount of fines)	GM[a] d	Silty gravels, gravel-sand-silt mixtures		Atterberg limits below "A" line or P.I. less than 4 — Limits plotting within shaded area, above "A" line with P.I. between 4 and 7 are *borderline* cases requiring use of dual symbols
			GM[a] u			
			GC	Clayey gravels, gravel-sand-clay mixtures		Atterberg limits above "A" line or P.I. greater than 7
	Sands (More than half of coarse fraction is smaller than No. 4 sieve size)	Clean sands (Little or no fines)	SW	Well-graded sands, gravelly sands, little or no fines		$C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ between 1 and 3
			SP	Poorly graded sands, gravelly sands, little or no fines		Not meeting all gradation requirements for SW
		Sands with fines (Appreciable amount of fines)	SM[a] d	Silty sands, sand-silt mixtures		Atterberg limits below "A" line or P.I. less than 4 — Limits plotting within shaded area, above "A" line with P.I. between 4 and 7 are *borderline* cases requiring use of dual symbols
			SM[a] u			
			SC	Clayey sands, sand-clay mixtures		Atterberg limits above "A" line or P.I. greater than 7
Fine-grained soils (More than half material is smaller than No. 200 sieve size)	Silts and clays (Liquid limit less than 50)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity		
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays		
			OL	Organic silts and organic silty clays of low plasticity		
	Silts and clays (Liquid limit greater than 50)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts		
			CH	Inorganic clays of high plasticity, fat clays		
			OH	Organic clays of medium to high plasticity, organic silts		
	Highly organic soils		Pt	Peat and other highly organic soils		

[a] Division of GM and SM groups into subdivisions of d and u are for roads and airfields only. Subdivision is based on Atterberg limits, suffix d used when L.L. is 28 or less and the P.I. is 6 or less; the suffix u is used when L.L. is greater than 28.

[b] Borderline classifications, used for soils possessing characteristics of two groups, are designated by combinations of group sympols. For example GW-GC, well-graded gravel-sand mixture with clay binder.

GENERAL NOTES

SAMPLE IDENTIFICATION

All samples are visually classified in general accordance with the Unified Soil Classification System (ASTM D-2487-75 or D-2488-75)

DESCRIPTIVE TERM (% BY DRY WEIGHT)

Trace:	1-10%
Little:	11-20%
Some:	21-35%
And/Adjective	36-50%

PARTICLE SIZE (DIAMETER)

Boulders:	8 inch and larger
Cobbles:	3 inch to 8 inch
Gravel:	coarse - ¾ to 3 inch
	fine – No. 4 (4.76 mm) to ¾ inch
Sand:	coarse – No. 4 (4.76 mm) to No. 10 (2.0 mm)
	medium – No. 10 (2.0 mm) to No. 40 (0.42 mm)
	fine – No. 40 (0.42 mm) to No. 200 (0.074 mm)
Silt:	No. 200 (0.074 mm) and smaller (non-plastic)
Clay:	No 200 (0.074 mm) and smaller (plastic)

SOIL PROPERTY SYMBOLS

Dd:	Dry Density (pcf)
LL:	Liquid Limit, percent
PL:	Plastic Limit, percent
PI:	Plasticity Index (LL-PL)
LOI:	Loss on Ignition, percent
Gs:	Specific Gravity
K:	Coefficient of Permeability
w:	Moisture content, percent
qp:	Calibrated Penetrometer Resistance, tsf
qs:	Vane-Shear Strength, tsf
qu:	Unconfined Compressive Strength, tsf
qc:	Static Cone Penetrometer Resistance (correlated to Unconfined Compressive Strength, tsf)
PID:	Results of vapor analysis conducted on representative samples utilizing a Photoionization Detector calibrated to a benzene standard. Results expressed in HNU-Units. (BDL=Below Detection Limit)

DRILLING AND SAMPLING SYMBOLS

SS:	Split-Spoon
ST:	Shelby Tube – 3 inch O.D. (except where noted)
CS:	3 inch O.D. California Ring Sampler
DC:	Dynamic Cone Penetrometer per ASTM Special Technical Publication No. 399
AU:	Auger Sample
DB:	Diamond Bit
CB:	Carbide Bit
WS:	Wash Sample
RB:	Rock-Roller Bit
BS:	Bulk Sample
Note:	Depth intervals for sampling shown on Record of Subsurface Exploration are not indicative of sample recovery, but position where sampling initiated

N: Penetration Resistance per 12 inch interval, or fraction thereof, for a standard 2 inch O.D. (1⅜ inch I.D.) split spoon sampler driven with a 140 pound weight free-falling 30 inches. Performed in general accordance with Standard Penetration Test Specifications (ASTM D-1586). N in blows per foot equals sum of N-Values where plus sign (+) is shown.

Nc: Penetration Resistance per 1¾ inches of Dynamic Cone Penetrometer. Approximately equivalent to Standard Penetration Test N-Value in blows per foot.

Nr: Penetration Resistance per 12 inch interval, or fraction thereof, for California Ring Sampler driven with a 140 pound weight free-falling 30 inches per ASTM D-3550. Not equivalent to Standard Penetration Test N-Value.

SOIL STRENGTH CHARACTERISTICS

COHESIVE (CLAYEY) SOILS

COMPARATIVE CONSISTENCY	BLOWS PER FOOT (N)	UNCONFINED COMPRESSIVE STRENGTH (TSF)
Very Soft	0 - 2	0 - 0.25
Soft	3 - 4	0.25 - 0.50
Medium Stiff	5 – 8	0.50 - 1.00
Stiff	9 – 15	1.00 - 2.00
Very Stiff	16 – 30	2.00 - 4.00
Hard	31+	4.00+

NON-COHESIVE (GRANULAR) SOILS

RELATIVE DENSITY	BLOWS PER FOOT (N)
Very Loose	0 - 4
Loose	5 - 10
Firm	11 - 30
Dense	31 - 50
Very Dense	51+

DEGREE OF PLASTICITY	PI
None to Slight	0 - 4
Slight	5 - 10
Medium	11 - 30
High to Very High	31+

DEGREE OF EXPANSIVE POTENTIAL	PI
Low	0 - 15
Medium	15 - 25
High	25+

Important Information about This

Geotechnical-Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

The Geoprofessional Business Association (GBA) has prepared this advisory to help you – assumedly a client representative – interpret and apply this geotechnical-engineering report as effectively as possible. In that way, you can benefit from a lowered exposure to problems associated with subsurface conditions at project sites and development of them that, for decades, have been a principal cause of construction delays, cost overruns, claims, and disputes. If you have questions or want more information about any of the issues discussed herein, contact your GBA-member geotechnical engineer. Active engagement in GBA exposes geotechnical engineers to a wide array of risk-confrontation techniques that can be of genuine benefit for everyone involved with a construction project.

Understand the Geotechnical-Engineering Services Provided for this Report

Geotechnical-engineering services typically include the planning, collection, interpretation, and analysis of exploratory data from widely spaced borings and/or test pits. Field data are combined with results from laboratory tests of soil and rock samples obtained from field exploration (if applicable), observations made during site reconnaissance, and historical information to form one or more models of the expected subsurface conditions beneath the site. Local geology and alterations of the site surface and subsurface by previous and proposed construction are also important considerations. Geotechnical engineers apply their engineering training, experience, and judgment to adapt the requirements of the prospective project to the subsurface model(s). Estimates are made of the subsurface conditions that will likely be exposed during construction as well as the expected performance of foundations and other structures being planned and/or affected by construction activities.

The culmination of these geotechnical-engineering services is typically a geotechnical-engineering report providing the data obtained, a discussion of the subsurface model(s), the engineering and geologic engineering assessments and analyses made, and the recommendations developed to satisfy the given requirements of the project. These reports may be titled investigations, explorations, studies, assessments, or evaluations. Regardless of the title used, the geotechnical-engineering report is an engineering interpretation of the subsurface conditions within the context of the project and does not represent a close examination, systematic inquiry, or thorough investigation of all site and subsurface conditions.

Geotechnical-Engineering Services are Performed for Specific Purposes, Persons, and Projects, and At Specific Times

Geotechnical engineers structure their services to meet the specific needs, goals, and risk management preferences of their clients. A geotechnical-engineering study conducted for a given civil engineer will not likely meet the needs of a civil-works constructor or even a different civil engineer. Because each geotechnical-engineering study is unique, each geotechnical-engineering report is unique, prepared *solely* for the client.

Likewise, geotechnical-engineering services are performed for a specific project and purpose. For example, it is unlikely that a geotechnical-engineering study for a refrigerated warehouse will be the same as one prepared for a parking garage; and a few borings drilled during a preliminary study to evaluate site feasibility will not be adequate to develop geotechnical design recommendations for the project.

Do not rely on this report if your geotechnical engineer prepared it:

- for a different client;
- for a different project or purpose;
- for a different site (that may or may not include all or a portion of the original site); or
- before important events occurred at the site or adjacent to it; e.g., man-made events like construction or environmental remediation, or natural events like floods, droughts, earthquakes, or groundwater fluctuations.

Note, too, the reliability of a geotechnical-engineering report can be affected by the passage of time, because of factors like changed subsurface conditions; new or modified codes, standards, or regulations; or new techniques or tools. *If you are the least bit uncertain* about the continued reliability of this report, contact your geotechnical engineer before applying the recommendations in it. A minor amount of additional testing or analysis after the passage of time – if any is required at all – could prevent major problems.

Read this Report in Full

Costly problems have occurred because those relying on a geotechnical-engineering report did not read the report in its entirety. Do not rely on an executive summary. Do not read selective elements only. *Read and refer to the report in full.*

You Need to Inform Your Geotechnical Engineer About Change

Your geotechnical engineer considered unique, project-specific factors when developing the scope of study behind this report and developing the confirmation-dependent recommendations the report conveys. Typical changes that could erode the reliability of this report include those that affect:

- the site's size or shape;
- the elevation, configuration, location, orientation, function or weight of the proposed structure and the desired performance criteria;
- the composition of the design team; or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project or site changes – even minor ones – and request an assessment of their impact. *The geotechnical engineer who prepared this report cannot accept*

responsibility or liability for problems that arise because the geotechnical engineer was not informed about developments the engineer otherwise would have considered.

Most of the "Findings" Related in This Report Are Professional Opinions

Before construction begins, geotechnical engineers explore a site's subsurface using various sampling and testing procedures. *Geotechnical engineers can observe actual subsurface conditions only at those specific locations where sampling and testing is performed.* The data derived from that sampling and testing were reviewed by your geotechnical engineer, who then applied professional judgement to form opinions about subsurface conditions throughout the site. Actual sitewide-subsurface conditions may differ – maybe significantly – from those indicated in this report. Confront that risk by retaining your geotechnical engineer to serve on the design team through project completion to obtain informed guidance quickly, whenever needed.

This Report's Recommendations Are Confirmation-Dependent

The recommendations included in this report – including any options or alternatives – are confirmation-dependent. In other words, they are not final, because the geotechnical engineer who developed them relied heavily on judgement and opinion to do so. Your geotechnical engineer can finalize the recommendations *only after observing actual subsurface conditions* exposed during construction. If through observation your geotechnical engineer confirms that the conditions assumed to exist actually do exist, the recommendations can be relied upon, assuming no other changes have occurred. *The geotechnical engineer who prepared this report cannot assume responsibility or liability for confirmation-dependent recommendations if you fail to retain that engineer to perform construction observation.*

This Report Could Be Misinterpreted

Other design professionals' misinterpretation of geotechnical-engineering reports has resulted in costly problems. Confront that risk by having your geotechnical engineer serve as a continuing member of the design team, to:

- confer with other design-team members;
- help develop specifications;
- review pertinent elements of other design professionals' plans and specifications; and
- be available whenever geotechnical-engineering guidance is needed.

You should also confront the risk of constructors misinterpreting this report. Do so by retaining your geotechnical engineer to participate in prebid and preconstruction conferences and to perform construction-phase observations.

Give Constructors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can shift unanticipated-subsurface-conditions liability to constructors by limiting the information they provide for bid preparation. To help prevent the costly, contentious problems this practice has caused, include the complete geotechnical-engineering report, along with any attachments or appendices, with your contract documents, *but be certain to note conspicuously that you've included the material for information purposes only.* To avoid misunderstanding, you may also want to note that "informational purposes" means constructors have no right to rely on the interpretations, opinions, conclusions, or recommendations in the report. Be certain that constructors know they may learn about specific project requirements, including options selected from the report, *only* from the design drawings and specifications. Remind constructors that they may perform their own studies if they want to, and *be sure to allow enough time* to permit them to do so. Only then might you be in a position to give constructors the information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions. Conducting prebid and preconstruction conferences can also be valuable in this respect.

Read Responsibility Provisions Closely

Some client representatives, design professionals, and constructors do not realize that geotechnical engineering is far less exact than other engineering disciplines. This happens in part because soil and rock on project sites are typically heterogeneous and not manufactured materials with well-defined engineering properties like steel and concrete. That lack of understanding has nurtured unrealistic expectations that have resulted in disappointments, delays, cost overruns, claims, and disputes. To confront that risk, geotechnical engineers commonly include explanatory provisions in their reports. Sometimes labeled "limitations," many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

Geoenvironmental Concerns Are Not Covered

The personnel, equipment, and techniques used to perform an environmental study – e.g., a "phase-one" or "phase-two" environmental site assessment – differ significantly from those used to perform a geotechnical-engineering study. For that reason, a geotechnical-engineering report does not usually provide environmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated subsurface environmental problems have led to project failures.* If you have not obtained your own environmental information about the project site, ask your geotechnical consultant for a recommendation on how to find environmental risk-management guidance.

Obtain Professional Assistance to Deal with Moisture Infiltration and Mold

While your geotechnical engineer may have addressed groundwater, water infiltration, or similar issues in this report, the engineer's services were not designed, conducted, or intended to prevent migration of moisture – including water vapor – from the soil through building slabs and walls and into the building interior, where it can cause mold growth and material-performance deficiencies. Accordingly, ***proper implementation of the geotechnical engineer's recommendations will not of itself be sufficient to prevent moisture infiltration. Confront the risk of moisture infiltration*** by including building-envelope or mold specialists on the design team. ***Geotechnical engineers are not building-envelope or mold specialists.***

GEOPROFESSIONAL BUSINESS ASSOCIATION

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Geotechnical, Environmental & Construction Materials Consultants



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Appendix D
Paleontological Resources Assessment

Public Version

CITY OF COVINA PUBLIC STORAGE PROJECT, CITY OF COVINA, CALIFORNIA

Paleontological Resources Assessment

Prepared for

City of Covina
Community Development Department
125 E. College Street
Covina, CA 91723

February 2022

ESA

Public Version

CITY OF COVINA PUBLIC STORAGE PROJECT, CITY OF COVINA, CALIFORNIA

Paleontological Resources Assessment

Prepared for:
City of Covina
Community Development Department
125 E. College Street
Covina, CA 91723

February 2022

Prepared by:
ESA
626 Wilshire Blvd. Suite 1100
Los Angeles, CA 90017

Project Manager:
Candace Ehringer, M.A., RPA

Principal Investigator:
Russell Shapiro, Ph.D.

Authors:
Russell Shapiro, Ph.D.
Fatima Clark, B.A.

Project Location:
San Dimas (CA) USGS 7.5-minute Topographic Quad
Township 1 North, Range 9 West, Section 33

Acreage: 2.70 acres

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STATEMENT OF CONFIDENTIALITY

This report contains confidential paleontological resources location information and distribution of this report is restricted. Paleontological resources are nonrenewable, and their scientific, values can be significantly impaired by disturbance. To deter fossil hunting, and other activities that can damage paleontological resources, the locations of paleontological resources are confidential. Public Resources Code Section 5097.5 and Section 30244 prohibit the removal of any paleontological site or feature from public lands without permission of the jurisdictional agency, define the removal of paleontological sites or features as a misdemeanor, and require reasonable mitigation of adverse impacts to paleontological resources from developments on public (state, county, city, district) lands.

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EXECUTIVE SUMMARY

City of Covina Public Storage Project – Paleontological Resources Assessment

Environmental Science Associates (ESA) has been retained by the City of Covina (City) to conduct a paleontological resources assessment for the City of Covina of Public Storage Project (Project). This assessment identifies and evaluates the potential impacts to paleontological resources associated with the Project for the purpose of complying with the California Environmental Quality Act (CEQA). The Project proposes the development of a 141,984 square foot 3-story public self-storage building within a 2.70-acre site (Project Site). The scope of work for this assessment included a geologic map review, review of the geotechnical study conducted for the Project, a paleontological resources records search through the Natural History Museum of Los Angeles County (LACM), and the recommendation of mitigation measures to reduce impacts from the Project to paleontological resources to a less than significant level.

Geologic mapping and the Geotechnical Report indicate that the Project Site is underlain entirely by Quaternary alluvium. The paleontological records search conducted through the LACM indicates that no known fossils were located in the Project Site. However, significant fossils have been recovered from Pleistocene units and older Miocene marine formations near the Project Site. The geotechnical report specifically indicates that only younger, Quaternary alluvium was penetrated at depths down to 30 feet below ground surface (bgs). Excavations associated with the Project are not anticipated go below 10 feet bgs, thus Project excavation has a **low potential** to encounter the geological units of high paleontological sensitivity.

Based on these results, ESA does not recommend paleontological mitigation measures.

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CITY OF COVINA PUBLIC STORAGE PROJECT

Paleontological Resources Assessment

Introduction

Environmental Science Associates (ESA) has been retained by the City of Covina (City) to conduct a paleontological resources assessment for the City of Covina Public Storage Project (Project) in support of an environmental document being prepared pursuant to the California Environmental Quality Act (CEQA). The Project proposes the development of a 141,984 square foot (sf) 3-story public self-storage building within a 2.70-acre site (Project Site). The City is the lead agency pursuant to the CEQA.

ESA personnel involved in this assessment are as follows: Candace Ehringer, M.A., RPA Project Manager; Russell Shapiro, Ph.D., Principal Investigator and report author; Fatima Clark, B.A., report contributor; and Stephan Geissler, GIS specialist. Resumes of key personnel are included in **Appendix A** of this report.

Project Location

The 2.70-acre Project Site is located at 1330 East Cypress Street (Assessor Parcel Number 8427-001-006) within the northeastern portion of the City in Los Angeles County, California (**Figure 1**). The Project Site is bounded by East Cypress Street to the north, the Southern Pacific Railroad to the south, and commercial uses to the east and west (**Figure 2**). The Project Site is situated within Section 33 of Township 1 North, Range 9 West on the San Dimas, CA U.S. Geological Survey (USGS) 7.5-minute topographic quadrangle (**Figure 3**).

Project Description

The Project Site is currently improved with an approximately 189,312 sf two-story commercial building occupied by "TT Electronics Power Solutions" which is used for electronics manufacturing. The remainder of the Project Site consists of asphalt-paved surface parking lots along the northern, eastern, and western portions of the Project Site.

The Project proposes the development of a 141,984 sf, 3-story public self-storage building (up to 30 feet, 7 inches in height). Project components would include a partial basement, a rental office, a temporary monopole cell tower, associated secured surface parking areas, pedestrian walkways, and landscaping. Project implementation would require the removal of 16 trees. Per the City's Design Guidelines, one tree per 500 sf of landscaped area is required, resulting in 20 required trees. Ground disturbance associated with the Project will reach a maximum depth of 10 feet below ground surface (bgs).

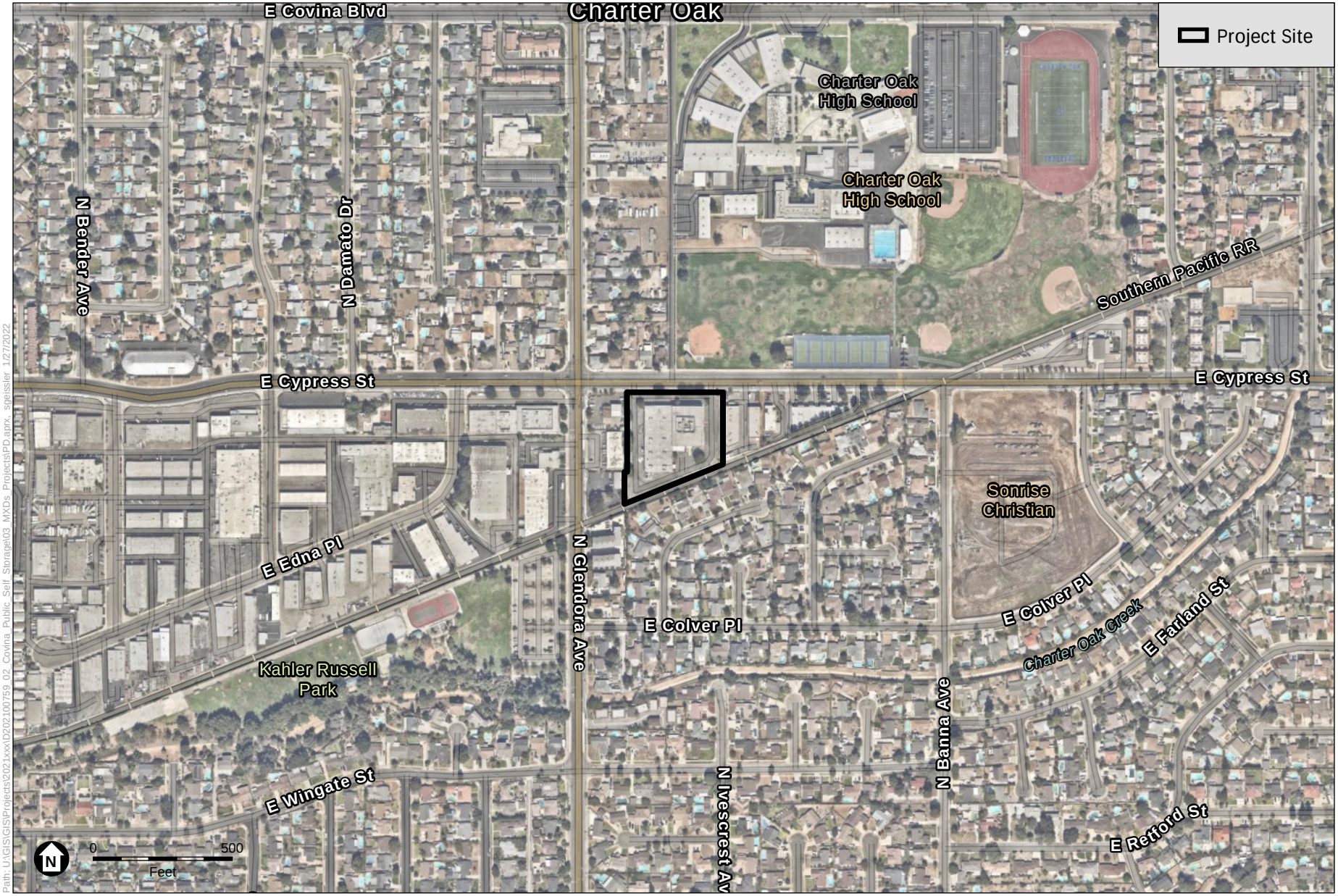


SOURCE: ESRI

City of Covina Public Storage Project

Figure 1
Regional Location Map

ESA

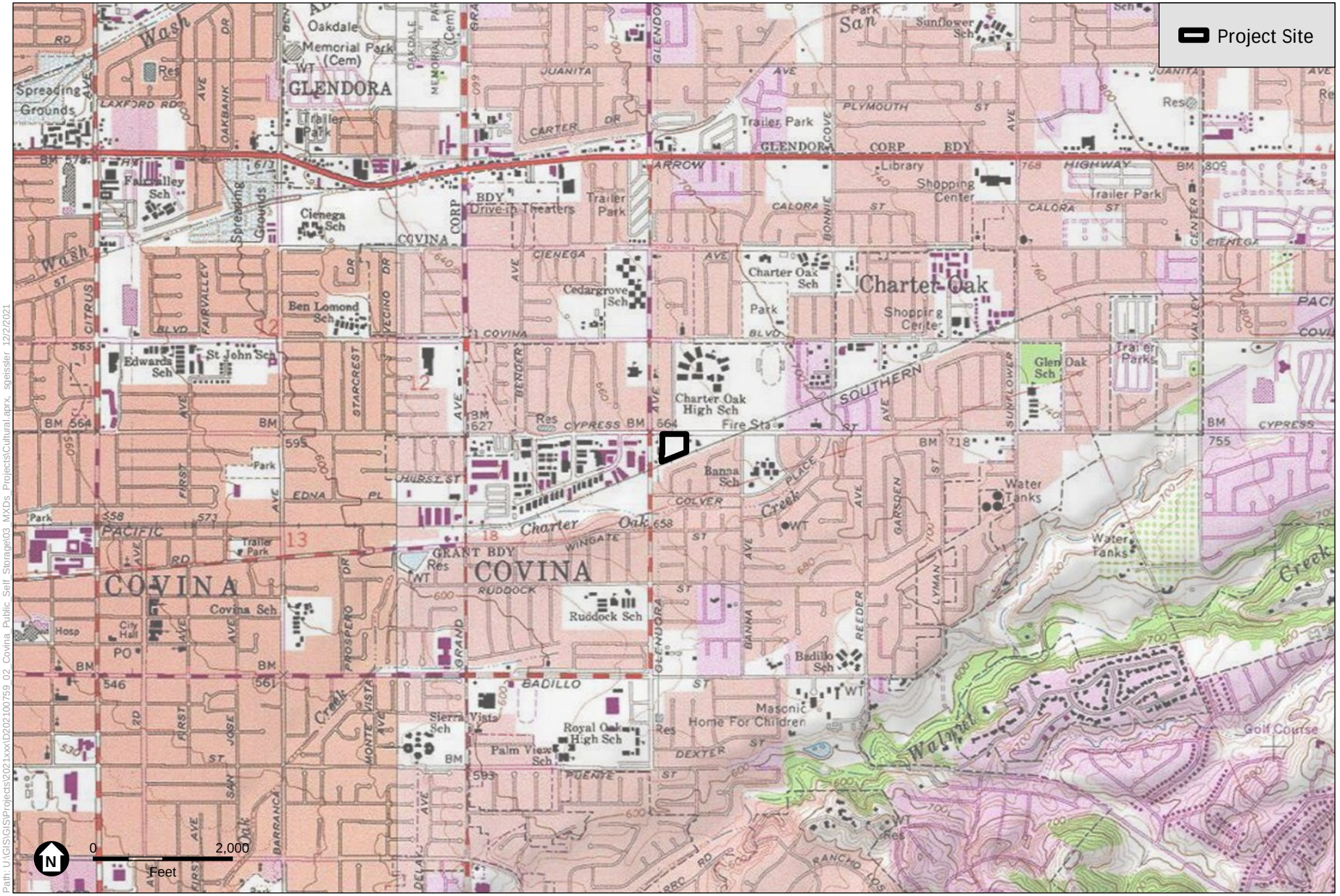


SOURCE: Mapbox, 2021

City of Covina Public Storage Project

Figure 2
Local Vicinity Map

ESA



SOURCE: USGS Topoquads: Baldwin Park, San Dimas

City of Covina Public Storage Project

Figure 3
Project Location

ESA

Regulatory Framework

Paleontological resources are limited, nonrenewable resources of scientific, cultural, and educational value that are afforded protection under state laws and regulations. The following section summarizes the applicable state laws and regulations, as well as professional standards.

California Environmental Quality Act

The State CEQA Guidelines (Title 14, Chapter 3 of the California Code of Regulations, Section 15000 *et seq*.), define the procedures, types of activities, individuals, and public agencies required to comply with CEQA. As part of CEQA's Initial Study process, one of the questions that must be answered by the lead agency relates to paleontological resources: "Will the proposed project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?" (State CEQA Guidelines, Appendix G, Section VII, Part f).

The loss of a significant paleontological resources which includes any identifiable fossil that is unique, unusual, rare, uncommon, diagnostically or stratigraphically important, and/or those that add to an existing body of knowledge in specific areas – stratigraphically, taxonomically, and/or regionally, would be a significant environmental impact. Direct impacts to paleontological resources primarily concern the potential destruction of nonrenewable paleontological resources and the loss of information associated with these resources. This includes the unauthorized collection of fossil remains. If potentially fossiliferous bedrock or surficial sediments are disturbed, the disturbance could result in the destruction of paleontological resources and subsequent loss of information.

The CEQA threshold of significance for a significant impact to paleontological resources is reached when a project is determined to "directly or indirectly destroy a significant paleontological resource or unique geologic feature" (State CEQA Guidelines Appendix G, Section VII, Part f). In general, for project sites that are underlain by paleontologically sensitive geologic units, the greater the amount of ground disturbance, the higher the potential for significant impacts to paleontological resources.

California Penal Code Section 622.5

California Penal Code Section 622.5 provides the following: "Every person, not the owner thereof, who willfully injures, disfigures, defaces, or destroys any object or thing of archeological or historical interest or value, whether situated on private lands or within any public park or place, is guilty of a misdemeanor."

California PRC Section 5097.5

California PRC Section 5097.5 provides protection for paleontological resources on public lands, where Section 5097.5(a) states, in part, that:

> *No person shall knowingly and willfully excavate upon, or remove, destroy, injure, or deface, any historic or prehistoric ruins, burial grounds, paleontological or vertebrate paleontological site, including fossilized footprints,*

> *inscriptions made by human agency, rock art, or any other paleontological, paleontological or historical feature, situated on public lands, except with the express permission of the public agency having jurisdiction over the lands*

Los Angeles County General Plan

The City does not include any goals or policies for the protection of paleontological resources. However, the Conservation and Natural Resources Element (the Element) of the Los Angeles County General Plan indicates that "Historic, cultural, and paleontological resources are an important part of Los Angeles County's identity" (Los Angeles County General Plan, 2015:163). The Element provides the following goal and policies for the treatment of historic resources:

Goal C/NR 14: Protected historic, cultural, and paleontological resources.

Policy C/NR 14.1: Mitigate all impacts from new development on or adjacent to historic, cultural, and paleontological resources to the greatest extent feasible.

Policy C/NR 14.2: Support an inter-jurisdictional collaborative system that protects and enhances historic, cultural, and paleontological resources.

Policy C/NR 14.3: Support the preservation and rehabilitation of historic buildings.

Policy C/NR 14.5: Promote public awareness of historic, cultural, and paleontological resources.

Policy C/NR 14.6: Ensure proper notification and recovery processes are carried out for development on or near historic, cultural, and paleontological resources.

Society for Vertebrate Paleontology Standard Guidelines

The Society of Vertebrate Paleontology (SVP) Guidelines (SVP, 2010) outline professional protocols and practices for conducting paleontological resource assessments and surveys, monitoring and mitigation, data and fossil recovery, sampling procedures, specimen preparation, identification, analysis, and curation. Most practicing professional vertebrate paleontologists adhere closely to the SVP's assessment, mitigation, and monitoring requirements as specifically provided in its standard guidelines. Most state and local regulatory agencies accept and use the professional standards set forth by the SVP.

Paleontological Resources Significance Criteria

As defined by the SVP (2010:11), significant nonrenewable paleontological resources are:

> *Fossils and fossiliferous deposits, here defined as consisting of identifiable vertebrate fossils, large or small, uncommon invertebrate, plant, and trace fossils, and other data that provide taphonomic, taxonomic, phylogenetic, paleoecologic, stratigraphic, and/or biochronologic information. Paleontological resources are considered to be older than recorded human history and/or older than middle Holocene (i.e., older than about 5,000 radiocarbon years).*

Numerous paleontological studies have further developed criteria for the assessment of significance for fossil discoveries (e.g., Eisenstraut and Cooper, 2002; Murphey and Daitch, 2007; Scott and Springer, 2003, etc.). In general, these studies assess fossils as significant if one or more of the following criteria apply:

1. The fossils provide information on the evolutionary relationships and developmental trends among organisms, living or extinct.
2. The fossils provide data useful in determining the age(s) of the rock unit or sedimentary stratum, including data important in determining the depositional history of the region and the timing of geologic events therein.
3. The fossils provide data regarding the development of biological communities or interaction between paleobotanical and paleozoological biotas.
4. The fossils demonstrate unusual or spectacular circumstances in the history of life.
5. The fossils are in short supply and/or in danger of being depleted or destroyed by the elements, vandalism, or commercial exploitation, and are not found in other geographic locations.

In summary, significant paleontological resources are determined to be fossils or assemblages of fossils that are unique, unusual, rare, uncommon, or diagnostically important (Eisenstraut and Cooper, 2002; Murphey and Daitch, 2007; Scott and Springer, 2003). Significant fossils can include remains of large to very small aquatic and terrestrial vertebrates or remains of plants and animals previously not represented in certain portions of the stratigraphy. Assemblages of fossils that might aid stratigraphic correlation, particularly those offering data for the interpretation of tectonic events, geomorphologic evolution, and paleoclimatology are also critically important (Scott and Springer, 2003; Scott et al., 2004).

Paleontological Potential

Paleontological potential is defined as the potential for a geologic unit to produce scientifically significant fossils. This is determined by rock type, the past history of the geologic unit in producing significant fossils, and the fossil localities recorded from that unit. Paleontological potential is derived from the known fossil data collected from the entire geologic unit and not just from one specific survey. In its "Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources," the SVP (2010) defines four categories of paleontological sensitivity (potential) for rock units: high, low, undetermined, and no potential.

- **High Potential.** Rock units from which vertebrate or significant invertebrate, plant, or trace fossils have been recovered are considered to have a high potential for containing additional significant paleontological resources. Rocks units classified as having high potential for producing paleontological resources include, but are not limited to, sedimentary formations and some volcaniclastic formations (e. g., ashes or tephras), and some low-grade metamorphic rocks which contain significant paleontological resources anywhere within their geographical extent, and sedimentary rock units temporally or lithologically suitable for the preservation of fossils (e. g., middle Holocene and older, fine-grained fluvial sandstones, argillaceous and carbonate-rich paleosols, cross-bedded point bar sandstones, fine-grained marine sandstones, etc.).

- **Low Potential.** Reports in the paleontological literature or field surveys by a qualified professional paleontologist may allow determination that some rock units have low potential for yielding significant fossils. Such rock units will be poorly represented by fossil specimens in institutional collections, or based on general scientific consensus only preserve fossils in rare circumstances and the presence of fossils is the exception not the rule, e. g. basalt flows or Recent colluvium. Rock units with low potential typically will not require impact mitigation measures to protect fossils.
- **Undetermined Potential.** Rock units for which little information is available concerning their paleontological content, geologic age, and depositional environment are considered to have undetermined potential. Further study is necessary to determine if these rock units have high or low potential to contain significant paleontological resources. A field survey by a qualified professional paleontologist to specifically determine the paleontological resource potential of these rock units is required before a paleontological resource impact mitigation program can be developed. In cases where no subsurface data are available, paleontological potential can sometimes be determined by strategically located excavations into subsurface stratigraphy.
- **No Potential.** Some rock units have no potential to contain significant paleontological resources, for instance high-grade metamorphic rocks (such as gneisses and schists) and plutonic igneous rocks (such as granites and diorites). Rock units with no potential require no protection nor impact mitigation measures relative to paleontological resources.

For geologic units with high potential, full-time monitoring is generally recommended during any project-related ground disturbance. For geologic units with low potential, monitoring will not generally be required. For geologic units with undetermined potential, field surveys by a qualified vertebrate paleontologist should be conducted to specifically determine the paleontological potential of the rock units present within the Project Site.

Methods

The Project Site was the subject of thorough background research and analysis to assess its paleontological sensitivity. The research included geologic map review, review of the *Geotechnical Engineering Exploration and Analysis* report (Geotechnical Report) prepared for the Project, and a paleontological records search conducted by the Natural History Museum of Los Angeles (LACM). Given the developed and paved nature of the Project Site, a paleontological resources pedestrian survey of the Project Site was not conducted. The results of these tasks are provided in the following section.

Results

Geologic Setting

The greater Los Angeles area comprises a set of tectonically-bound basins, filled with very thick sequences of marine and terrestrial sediment (Yerkes et al., 1965). The uplifted mountain ranges surround these basins are composed of bedrock of various ages and supply the sediment to the valleys below. The rates of erosion and deposition are linked to tectonic uplift as well as climate patterns. The fossils entombed in these valley sediments likewise show the variations in climate conditions as well as depositional environments.

The Project is located in what Yerkes et al. (1965) describe as the "Northeastern Block". This depositional basin is bounded on the north by the Sierra Madre and San Gabriel Mountains. Just south of the Project, the San Jose Hills rise as a folded anticline, dividing the valley. The Project Site itself is underlain by alluvium eroded off the San Jose Hills and also seeing the influence of erosion of the San Gabriel Mountains. Mapping by Dibblee and Minch (2002) clearly show this influence as apron of older, Pleistocene alluvium at a higher elevation around the uplifted hills with younger alluvium filling in the valley between.

Near the Project, specifically, a blanket of older alluvium (Qoa) skirts the base of the San Jose Hills and likely continues in the subsurface below the Project (Dibblee and Minch, 2002) but at a depth below the proposed excavation. The surface is covered by younger Holocene-age alluvium (Qa) as is the rest of the San Gabriel Valley (**Figure 4**). The San Jose Hills to the south as well as uplifts to the north expose older, Miocene-age marine sediments and volcanic rocks. The following summarizes the only geologic unit within the Project Site that could be potentially impacted by Project implementation:

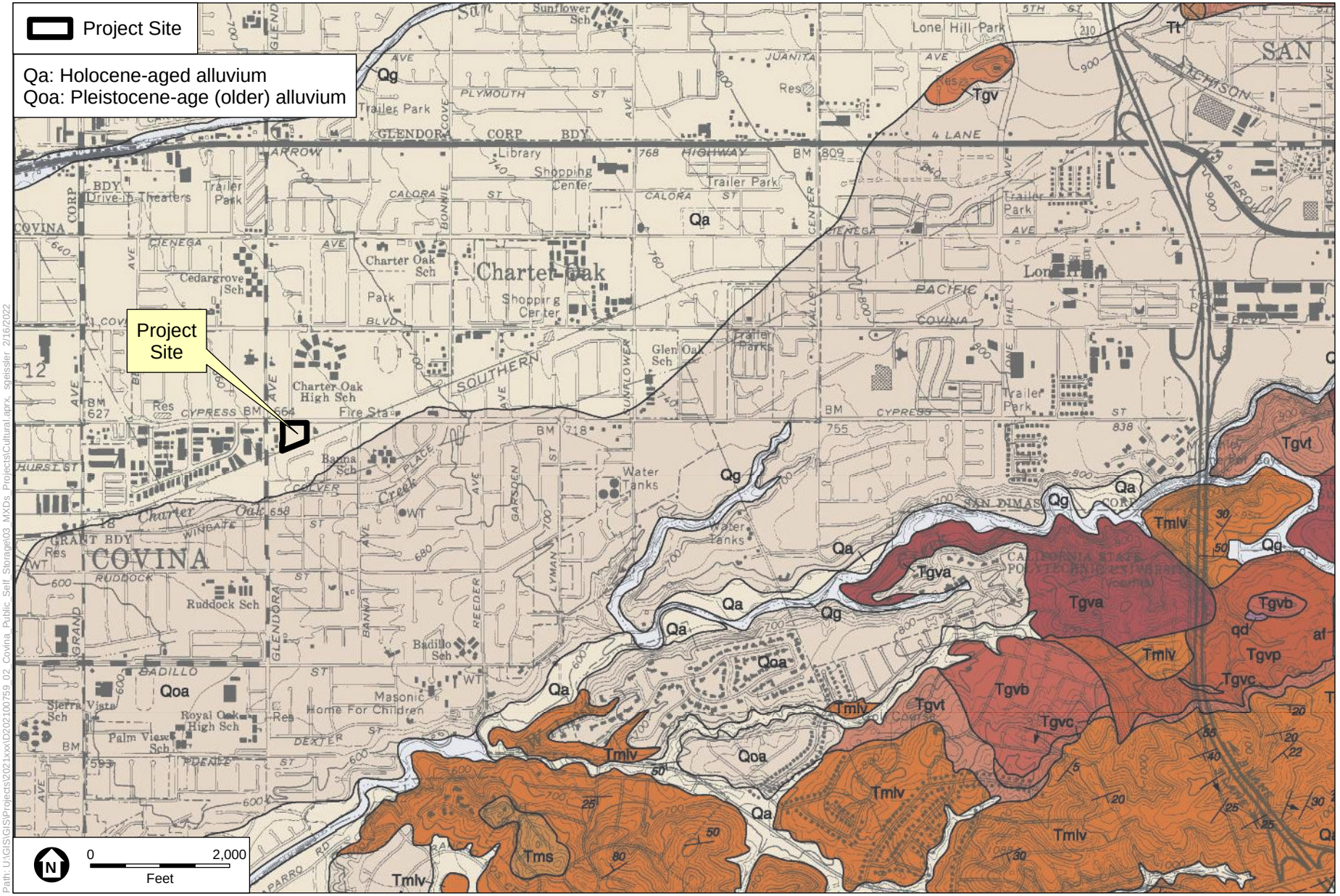
Geotechnical Report Review

Giles Engineering Associates performed a geotechnical exploration and analysis of the Project in 2021 (Giles Engineering Associates, 2021). The analysis included eight truck-mounted borings down to 36.5 feet bgs. The logs showed that the geology below artificial fill extended to a depth of 6 feet bgs, followed by a consistently unlithified brown silty sand to sand, with some gravels and cobbles. None of the borings pierced a significant change in sediments, suggesting that the potentially underlying older alluvium was not reached. Therefore, this report concurs that younger alluvium occurs at depth throughout the Project Site at least to the proposed excavation depths.

LACM Records Search

On December 3, 2021, ESA commissioned a paleontological resources records search through the LACM (**Appendix B**). This records search entailed an examination of current geologic maps and known fossil localities inside and within the general vicinity of the Project Site. The purpose of the records search is to determine whether or not there are previously recorded paleontological resources or fossiliferous geological formations within the Project Site that require evaluation. The results also provide a basis for assessing the sensitivity of the Project Site for additional and buried resources.

Results of the paleontological resources records search conducted by the LACM indicated that no fossil localities lie directly within the Project Site; however, 11 fossil localities (LACM IP 4723, and LACM VP 1728, 3363, 6166, 6167, 6173, 7268, 7271, and 7508)) were identified nearby from sedimentary deposits occurring near the Project Site (**Table 1**).



SOURCE: Geologic map San Dimas and Ontario quadrangles, 2002; ESA, 2022

City of Covina Public Storage Project

Figure 4
Geologic Map

ESA

TABLE 1
FOSSIL LOCALITIES RECORDED IN THE VICINITY OF PROJECT SITE

Locality No.	Formation	Taxa	Depth
LACM IP 4723	Puente Formation (shale)	unspecified invertebrates	Unknown
LACM VP 1728	Unknown (light brown shale with interbeds of very coarse brown sand; Pleistocene)	Horse (Equus), camel (Camelops)	15-20 ft bgs
LACM VP 3363	Unknown Formation (Pleistocene; sand and silt)	Horse (Equus)	Unknown
LACM VP 6166, 6167, 6173	Puente Formation (shale)	Mako shark (Isurus planus),Sturgeonfish (Prionurus), extinct bony fish (Etringus)	Unknown
LACM VP 7268, 7271	Unknown (Pleistocene)	Horse (Equus)	Unknown
LACM VP 7508	Unknown formation (Pleistocene)	Ground sloth (Nothrotheriops); elephant family (Proboscidea); horse (Equus)	Unknown
LACM VP 7701, 7702	Unknown Formation (Pleistocene; silt)	Fish (Gasterosteus); Snake (Colubridae), Rodents (Thomomys, Microtus, Reithrodontomys); Rabbit (Sylvilagus)	30 ft bgs

VP = Vertebrate Paleontology; IP = Invertebrate Paleontology
SOURCE: LACM, 2021

Localities LACM VP 6166, 6167, 6173 and LACM IP 4723 yielded fossil specimens of Mako shark (*Isurus planus*), Sturgeonfish (*Prionurus*), extinct bony fish (*Etringus*) and unspecified invertebrates within shale sediments of the Puente Formation at unknown depths. LACM VP 1728 produced fossil specimens of horse (*Equus*) and camel(*Camelops*) within Pleistocene deposits at depths between 15 and 20 feet bgs. LACM VP 7268 and 7271 yielded fossil specimens of horse (*Equus*) within Pleistocene deposits at unknown depths. LACM VP 7508 yielded fossil specimens of ground sloth (*Nothrotheriops*), elephant family (Proboscidea), and horse (*Equus*) within Pleistocene deposits at unknown depths. Localities LACM VP 7701 and 7702 yielded fossil specimens of fish (*Gasterosteus*), snake (Colubridae), rodents (*Thomomys, Microtus, Reithrodontomys*), and rabbit (*Sylvilagus*) at 30 feet bgs. LACM VP 3363 yielded a fossil specimen of horse within Pleistocene deposits at an unknown depth (Bell, 2021).

However, it should be noted that the detailed analysis of the geological map and Geotechnical Report suggests that Pleistocene alluvium, as well as the older Miocene marine units such as the Puente Formation, do not occur within the Project Site, and would not be encountered during Project implementation.

Paleontological Sensitivity Analysis

The geologic mapping and Geotechnical Report reviews, as well as the LACM records search results were used to assign paleontological sensitivity to the geologic unit at surface and underlying the Project Site, following the guidelines of the SVP (2010):

Fill Material: As indicated by the Geotechnical Report, fill material is present within the first 6 feet underlying the Project Site. It is unclear as to where the fill material came from and so assigning an age is impossible. Given the disturbed nature of the fill it is unlikely to contain intact fossiliferous deposits. Therefore, this unit is assigned **No Potential** to contain paleontological resources.

Qa: Underlying the fill material beyond 6 feet bgs is Holocene-age Quaternary alluvium, dating to 11,700 years ago to present. Fossil specimens have not been identified within nearby Holocene-age sediments by the LACM records search; however, SVP guidelines indicate that fossils can be as young as 5,000 years old, a time frame encompassing the age of these sediments. While excavation into the uppermost (or more recent) layers of these Holocene deposits would not impact fossils, deep excavations into Holocene-age soils could encounter paleontological resources per the SVP's minimum age threshold (e.g., 5,000 years) for what may constitute a fossil. Therefore, this unit is assigned a **Low Potential** to contain paleontological resources. Based on the Geotechnical Report, no early Holocene or late Pleistocene alluvium was encountered. However, as the thickness of Qa has not been established, it should be assumed that Qoa underlies Qa and could be impacted by excavation activities (see below).

Conclusions and Recommendations

Project ground disturbing activities will include excavations extending to depths of 10 feet bgs. Geotechnical testing indicates a layer of fill material extends from the surface to a depth of 6 feet bgs. Artificial fill has no paleontological potential, therefore excavations in this unit will not impact paleontological resources. The fill is underlain to a depth of 36 feet by Holocene-age Quaternary alluvium, which has low potential to contain paleontological resources. Given the low potential of the Quaternary alluvium, Project-related ground disturbance is unlikely to impact paleontological resources and no mitigation measures are recommended.

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Appendix A
Personnel



Candace R. Ehringer, RPA

Cultural Resources Program Manager

EDUCATION

MA, Anthropology, California State University, Northridge

BA, Anthropology, East Carolina University

22 YEARS OF EXPERIENCE

AREAS OF EXCELLENCE

CEQA, NEPA, Section 106, and AB 52 proficient

Manages multi-disciplinary CRM projects

Strong historic resources research skills

QUALIFICATIONS

Register of Professional Archaeologists, No. 15146

Meets Caltrans PQS for Co-Principal Investigator

Meets Secretary of the Interior's PQS for Archaeology and History

Orange County Certified Archaeologist

CA State BLM Permitted

HAZWOPER Certified

Candace is a cultural resources project manager with 22 years of experience in California. She provides technical and compliance oversight for archaeological survey, evaluation, and treatment; built environment studies, including the documentation and evaluation of buildings, structures, and districts; Tribal resources consultations; and paleontological resources survey and sensitivity assessments. Candace also has experience working with agencies and Tribes to identify Traditional Cultural Properties and tribal cultural resources. She is skilled in the evaluation, analysis of effects, and development of measures to avoid, minimize, or mitigate adverse effects for tribal, archaeological, historic, and paleontological resources under Section 106 and CEQA.

Candace manages multi-disciplinary cultural resources projects and is adept at building teams of specialists that are uniquely qualified for the project at hand. Her project work includes experience in every county in Southern California, as well as many in the Central Coast, Central Valley, and Northern California regions. She is proficient in the areas of CEQA, NEPA, Section 106, and AB 52 compliance, and routinely provides planning and strategic guidance to clients on complex projects within the larger scope of state and federal regulations.

Relevant Experience

California Department of Water Resources, Cantua Creek Stream Group Improvements Project, Fresno County, CA. *Project Manager*. Candace managed the preparation of a Cultural Resource Inventory and Evaluation Report, Finding of Effect, and Paleontological Resources Report in compliance with Section 106 of the National Historic Preservation Act and CEQA. The California Department of Water Resources (DWR) proposes to implement the Cantua Creek Stream Group (CCSG) Improvements Project (Project). The CCSG is composed of five major creeks: Arroyo Hondo, Cantua, Salt, Martinez, and Domengine. The CCSG drains a portion of the Coast Range, located west of the Project area. Presently, floodwaters from the CCSG terminate at four locations (Basins 1-4) along an approximately 13-mile stretch of the San Luis Canal; Martinez Creek flows into Salt Creek about 3 miles upstream of the San Luis Canal.

Irvine Ranch Water District (IRWD), Syphon Reservoir Geotechnical Investigations MND, Orange County, CA. *Cultural Resources Manager.* Candace managed paleontological and archaeological monitoring of geotechnical work in compliance with the project's mitigation measures. IRWD is conducting geotechnical investigations to support potential future enlargement of the existing Syphon Reservoir. Additionally, geotechnical explorations would verify the characteristics of the Center Valley Fault, which previously has been documented as inactive. The project has used exploratory test pits, borings, and geophysical surveys to characterize the subsurface conditions of the soil and bedrock at each exploration location.

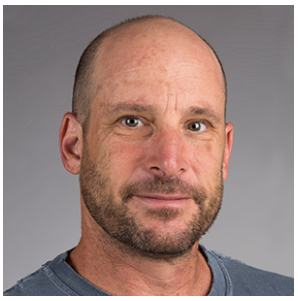
Irvine Ranch Water District (IRWD), Tustin Wells MND/EA, Orange County, CA. *Cultural Resources Project Manager*. Candace conducted a Phase I cultural resources study for the Tustin Wells Project. She led the cultural resources survey and authored a technical report. The project will recover and treat impaired groundwater to augment local water supplies and increase water supply reliability.

Eastern Municipal Water District Local Groundwater Banking Project, San Jacinto, CA. *Project Director*. Candace directed the cultural resources component of the project, including historic, archaeological, and paleontological resources studies. ESA prepared an EIR for the proposed project, which would develop a water bank with storage capacity up to 128,000 acre feet. ESA is currently providing cultural resources monitoring during project construction.

Los Angeles Department of Water and Power (LADWP), East Hollywood District Yard Demolition, Los Angeles, CA. *Cultural Resources Project Director*. Candace directed the preparation of historic, archaeological, and paleontological studies and provided senior review of all deliverables. The project includes re-development of LADWP's East Hollywood District Yard. The results of the analyses were incorporated into the IS/MND.

Corona-Keith 1220 Zone Potable Water Tank City of Corona, Keith 1220-Zone Potable Water Tank MND, City of Corona, CA. *Cultural Resources Project Manager*. Candace managed the preparation of cultural resources and paleontological resources assessments, which included archival research, survey, and preparation of technical reports. The project includes the construction of a tank on approximately 0.9 acre owned by the City of Corona on the southeast corner of the intersection of Nelson Street and Keith Street. The project also included proposed utility lines (potable water, reclaimed water and drainage lines) that would extend from the proposed tank site along Nelson Street to Courtney Lane, east along Courtney Lane and north within Howe Street to Duncan Way.

County of Los Angeles Department of Public Works (County), Rancho Los Amigos South Campus EIR, Downey, CA. *Cultural Resources Project Manager*. Candace managed cultural resources studies in support of the EIR, including re-evaluation of the historic district, archaeological and paleontological assessments, and assistance with AB 52 consultation. The County proposes redevelopment of a portion of the Rancho Los Amigos (RLA) South Campus which is located in the City of Downey. The 74-acre RLA South Campus was the home of the "Los Angeles County Poor Farm" that was established in 1880s to provide room and board to indigent citizens in exchange for agricultural labor, then served as an infirmary and later evolved into a hospital facility in 1932. The RLA South Campus functioned as a major hospital complex from 1956 to the 1990s, when it was abandoned. The RLA South Campus is currently unoccupied and houses a National Register-eligible historic district. The County is proposing redevelopment of a 21-acre portion of the RLA South Campus with County uses, including a Sheriff's Station Crime Laboratory, Internal Services Department Headquarters, and Probation Department Headquarters. The project will include supporting parking and installation of utilities and other features on a site that has been abandoned for nearly 30 years. Building demolition and/or repurposing or relocation of existing buildings will be required.



Russell S. Shapiro, PhD

Principal Investigator

EDUCATION

Ph.D., Geological Sciences, University of California, Santa Barbara, 1998
B.S., Geology, Humboldt State University, 1992

25 YEARS EXPERIENCE

CERTIFICATIONS/ REGISTRATION

U.S. Fish and Wildlife Cultural Resources Use Permit
U.S. Forest Service Cultural Resources Use Permit
Bureau of Land Management Cultural Resources Use Permit
Wilderness and Remote First Aid (Red Cross Certified)

PROFESSIONAL AFFILIATIONS

Geobiology Society; Treasurer
Society for Sedimentary Geology (SEPM); Vice-President
Society for Vertebrate Paleontology

As a Principal Investigator, Dr. Shapiro has been involved in review of paleontological resource reports and evaluating proposed mitigation plans. Dr. Shapiro researches and prepares environmental impact reports regarding cultural resources (fossils), conducts field (geological and paleontological) surveys, and oversees ground disturbance at construction sites for Environmental Quality compliance (CEQA, NEPA, and the Paleontological Resources Preservation Act). As a Qualified Paleontologist, Dr. Shapiro has also reviewed resource planning documents for several counties in California and was the lead on the Bureau of Land Management's assessment of fossil resources of Northern California.

In his academic role as Professor of Geology, Dr. Shapiro teaches several paleontology courses including "Applied Paleontology" which is a modified "Cultural Resources" course, focusing on budgeting, CEQA and NEPA regulations, field surveys, GIS projections, fossil recovery, and curation. He also teaches in the annual Field Camp courses and manages the rock preparation lab and maintains the microscopes.

Relevant Experience

ReneSola Gentry Solar Project, Paleontological Resource Assessment Report, Lincoln, California. *Principal Investigator, Mapping*. Literature, geological map, and museum review for fossil resources. Field mapping of entire property. Final product included a mitigation and monitoring plan.

Paleontological Sensitivity Analysis Report, Elk Grove, California; Pacific Gas and Electric. *Principal Investigator*. Literature, geological map, and air photo archival report on the potential fossil yield for a proposed pipeline. Recommendations based on searches of museum collections of relevant geological formations. Deliverables consisted of a sensitivity report and appendix of known fossil occurrences by taxa and location.

Mojave Solar Project Cultural Services; San Bernardino County, California; CH2M Hill. *Principal Investigator.* Reviewed technical report; advised on scientific analyses.

El Camino Real Bridge Replacement Environmental Services; San Luis Obispo County, California, Quincy Engineering. *Principal Investigator*. Reviewed technical report for CEQA/NEPA documentation, technical studies, and permitting, for the replacement of the El Camino Real bridge over Santa Margarita Creek in Atascadero.

San Bernardino County General Plan Update: Paleontological Resources Technical Report. *Primary Reviewer***.** External reviewer for general plan update. Involved assessing all geological formations in San Bernardino County and museum records of significant fossils.

Recent Significant Excavations

Miocene Vertebrates of the Sheldon Wildlife National Refuge. Oversaw operations to conduct significant collection of Miocene-age fossils from volcanic sediments for the U.S. Fish and Wildlife Service. Duties included field collection and high-resolution GPS mapping, fossil preparation and identification, curation at the Gateway Science Museum.

Eocene Horses from Black Butte Lake Reservoir. Field jacketing and preparation of fossil horse skull material from the reservoir under the direction of the U.S. Army Corps of Engineers. Fossils were prepared, identified, and returned to the Army Corps for public display.

Pleistocene Camelid from Nevada. This project grew out of a paleontological resource assessment field survey. During the survey, a semi-articulated rear leg of a late Pleistocene camelid was collected and prepared. A manuscript was published in 2016.

Publications and Presentations

Shapiro, R. S., 2016, Camelid record of Mesquite Lake, California: impact of earliest Holocene climate change in Reynolds, R. E., ed., Going LOCO investigations along the Lower Colorado River, 2016 Desert Symposium Field Guide and Proceedings, p 41-47.

Shapiro, R. S. and Konhauser, K. O., 2014, Hematite-coated microfossils: Ecological fingerprint or taphonomic oddity of the Paleoproterozoic? Geobiology, v. 13, p. 209-224.

Shapiro, R. S. and Spangler, E., 2009, Bacterial fossil record in whale falls: relation of taphonomy and paleoecology to depositional environment: Palaeogeography, Palaeoclimatology, Palaeoecology, v. 274, p. 196-203.

Shapiro, R. S., Fricke, H., and Fox, K., 2009, Dinosaur-bearing oncoids from ephemeral lakes of the Lower Cretaceous Cedar Mountain Formation, Utah: PALAIOS, v. 24, p. 51-58.

Shapiro, R. S., and Rowland, S. M., 2002, Fossil collecting in southern Nevada in Rowland, S. M. and Orndorff, R. L., eds., Geology of the Southern Nevada Region: National Association of Geoscience Teachers, Far Western Section Spring Field Conference Guidebook, p. 96-99.

Shapiro, R. S., 1998, Paleogene-Early Neogene macrofossils of southwestern Santa Cruz Island in Weigand, P. W., ed., Contributions to the Geology of the Northern Channel Islands, Southern California: Pacific Section, American Association of Petroleum Geologists, MP-45, p. 123-132.

Appendix B

LACM Records Search

(Confidential)

Appendix E

Phase I Environmental Site Assessment

PHASE I ENVIRONMENTAL SITE ASSESSMENT

conducted on

CA21222
1330 East Cypress Street
Covina, California

Apex Project No. 25021-021079.00

June 9, 2021

Prepared for:

PS Southern California One, Inc., a Delaware corporation; Public Storage, a Maryland real estate investment trust, and its affiliates
701 Western Avenue
Glendale, California 91201

Prepared by:

Apex Companies, LLC
1962 Freeman Avenue
Signal Hill, California 90755

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EXECUTIVE SUMMARY

PS Southern California One, Inc., a Delaware corporation; Public Storage, a Maryland real estate investment trust, and its affiliates retained Apex Companies, LLC (Apex) to conduct a Phase I Environmental Site Assessment ("ESA" or "Assessment") for CA21222 located at 1330 East Cypress Street in Covina (Los Angeles County), California (the "subject property"). The objective of the Assessment was to provide an independent, professional opinion regarding *recognized environmental conditions*, as defined by ASTM, associated with the subject property. This Assessment was requested in association with Potential property transaction.

This Assessment was performed under the conditions of, and in accordance with Apex's Proposal Number 5307424776, dated May 20, 2021 and ASTM International Practice E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Any exceptions to, additions to, or deletions from the ASTM Practice are described in the report. Details of the work performed, sources of information, and findings are presented in the report. Limitations of the Assessment are described in Section 1.3.

The approximately 2.26-acre subject property is in a residential, commercial, and light industrial setting. At the time of the walkthrough, the subject property was developed with two adjoining buildings in the center of the property that were occupied by TT Electronics. Building 1 (western building) and the first floor of Building 2 (eastern building) are primarily utilized for manufacturing, assembly, equipment repair, packing, shipping, and quality control of circuit boards for defense industry purposes. Equipment utilized in these processes include UV ovens/coating machines, environmental quality control chambers (e.g., heat stress and vibration chambers), a furnace, cleaning machines, and soldering machines. The second floor of Building 2 is utilized primarily for offices, storage, and an inactive laboratory. Two hazardous materials sheds, cooling towers, and a loading dock are located to the south of Building 1. Additionally, a liquid nitrogen AST and underground clarifier are located to the west of Building 1. Telecommunication antennas with associated equipment are located on the roof of Building 2. The remainder of the subject property consists of asphalt-paved parking lots and small landscaped planters. Access can be gained from East Cypress Avenue to the north.

Based on historical sources, the subject property was depicted as undeveloped land from at least 1894 in the topographic maps until sometime prior to 1928 when the property was developed agriculturally and with a residence in the northwest portion. Agricultural activities ceased and the residence was demolished circa 1964. By 1977, the westernmost building on the subject property was constructed. The easternmost building was constructed circa 1983. The configuration of the subject property has not changed since that time. Tenants of the subject property have included Perkin Elmer, EG&G Power Systems, Almond Instruments, and Excilitas Technologies. TT Electronics has occupied the subject property since June 2020.

A railroad was developed on the south adjoining property from at least 1894. At that time, the remaining adjoining properties were depicted as undeveloped in the topographic map until sometime prior to 1928 when all of the adjoining properties were developed agriculturally. A residence was developed on the east adjoining property circa 1948 and the southernmost west adjoining building was developed circa 1960. By 1960, the existing north adjoining residences and sports field were developed. Agricultural activities ceased on the remaining adjoining properties and four buildings (commercial usage and gas station) were

developed on the west adjoining property circa 1964. A drycleaner has occupied the central west adjoining building since at least 1966. By 1964, the south adjoining residences were developed. An additional west adjoining commercial building and the existing east adjoining light industrial building were developed by 1972 and 1988, respectively. Between 2002 and 2009 the west adjoining gas station was demolished and the existing auto repair building was constructed.

This Assessment has revealed no evidence *controlled recognized environmental conditions* in connection with the subject property.

The following *recognized environmental conditions* were identified during this Assessment:

- **Historical Onsite Use of Chlorinated Solvents**
- **West Adjoining Drycleaner**
- **Tier 1 Vapor Encroachment Screen**

The following *historic recognized environmental condition* was identified during this Assessment:

- **Former West Adjoining Gas Station**

Based on Apex's review of the environmental condition of the subject property, it is recommended that soil vapor sampling be conducted onsite to assess potential contamination from the adjoining drycleaner and the past use of chlorinated solvents onsite. Due to the sensitive nature of onsite activities, sampling will likely need to be conducted around the exterior of the building.

1.0 INTRODUCTION

PS Southern California One, Inc., a Delaware corporation; Public Storage, a Maryland real estate investment trust, and its affiliates retained Apex Companies, LLC (Apex) to conduct a Phase I Environmental Site Assessment ("ESA" or "Assessment") for CA21222 located at 1330 East Cypress Street in Covina (Los Angeles County), California (the "subject property").

1.1 Purpose

The purpose of the assessment is to follow ASTM International Practice E1527-13 (practice), which defines good commercial and customary practice in the United States of America for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and petroleum products. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitation on CERCLA liability (the landowner liability protections or LLPs); that is, the practice that constitutes all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial and customary practice as defined at 42 U.S.C. 9601(35)(B). The term *recognized environmental conditions* is defined as the presence or likely presence of any hazardous substances or petroleum products in, on, or at the property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. D*e minimis* conditions are not *recognized environmental conditions*.

1.2 Methodology

This Assessment was performed under the conditions of, and in accordance with Apex's Proposal Number 5307424776, dated May 20, 2021 and ASTM International Practice E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The United States Environmental Protection Agency (USEPA) has determined that the ASTM E1527-13 standard is consistent with the requirements for conducting All Appropriate Inquiry (AAI) and may be used to comply with the AAI regulations (40 Code of Federal Regulations [CFR] Part 312). The methods and terms are as defined in the ASTM standard and AAI regulations.

The Assessment included the following components:

- Review information provided by the client. This includes that information required by the Standard with respect to "User Responsibilities" as well as other information provided (e.g., Environmental Liens, Activity and Use Limitations [AULs], Specialized Knowledge).
- Review selected information on general geology and topography of the subject property, local groundwater conditions, and proximity to ecologically sensitive receptors, such as streams, that might be impacted by *recognized environmental conditions*.
- Investigate historical use of the subject property through reasonably ascertainable ASTM Standard Historical Sources for evidence of prior land use that could have led to *recognized environmental conditions*. These Standard Historical Sources may include: aerial photography, United States Geological Survey (USGS) topographic maps, fire insurance maps, local street

directories, property tax files, building department records and zoning/land use records. Unless otherwise specified by the client/proposal this did not include a review of recorded land title records.

- Review of environmental records available from the client, property owner or site contact for evidence of *recognized environmental conditions* and AULs. This includes helpful documents such as regulatory agency reports, permits, registrations, previous assessments, etc.
- Review a commercial database summary of ASTM Standard Federal, State, and Tribal regulatory agency records pertinent to the subject property and offsite facilities located within ASTM-specified search distances from the subject property.
- Review of reasonably ascertainable Federal, State, Tribal and Local environmental agency case files for onsite facilities and adjoining properties identified in the database summary report and/or during the site reconnaissance that have the potential to adversely impact the subject property.
- Regulatory agency file reviews are required for the subject property and adjoining properties if identified in the environmental database. Also, reviews of previous reports/data for sites which have received "closure" is required, to verify that the closure meets current criteria and the level of closure (commercial, residential, restricted, unrestricted). Closed sites must meet residential unrestricted criteria to be a historical recognized environmental condition (HREC).
- Conduct an interview with at least one staff member of any one of the following: local fire department, local health department, local building department, or State/Local environmental agency. This individual was asked about their personal knowledge of the subject property, with the questioning directed to identifying *recognized environmental conditions*. For example, if the site includes a known leaking underground storage tank (LUST) incident, the State agency LUST Program Project Manager for the facility may be the person interviewed under this portion of the scope of services.
- Conduct interviews with the subject property owner (or their designated *Key Site Manager*) and occupants regarding current and previous uses of the subject property, particularly with respect to activities involving hazardous substances and petroleum products. Past owners, operators and occupants were also interviewed to the extent they were identified and their information was not likely to be duplicative. In cases of abandoned properties, where there is evidence of uncontrolled access, this included interviews with Owners/Occupants of one or more neighboring properties (subject to availability).
- Conduct an onsite reconnaissance of the subject property for visual evidence of *recognized environmental conditions*, including, but not limited to: existing or potential soil and water contamination, as evidenced by soil or pavement staining or discoloration, unnaturally stressed vegetation, or indications of waste dumping or burial; pits, ponds, or lagoons; containers of hazardous substances or petroleum products; electrical and hydraulic equipment that may contain polychlorinated biphenyls (PCBs), such as electrical transformers and hydraulic hoists; underground and aboveground storage tanks (USTs and ASTs, respectively); etc.
- A determination of the sources of water, power, and sewer service at the subject property.
- Perform a subject property line visual reconnaissance of adjacent properties for evidence of potential offsite environmental conditions that may affect the subject property.
- Evaluate information gathered during the Assessment to reach conclusions concerning *recognized environmental conditions* and prepare this report.

This Assessment did not include considerations of “Non-ASTM” issues (e.g., asbestos-containing building materials, radon, lead-based paint).

An Apex representative, Jennifer Woods, Associate Consultant III, conducted the site walkthrough portion of the Assessment on June 2, 2021, accompanied by Mr. Craig Auzenne, the Senior Maintenance Technician with TT Electronics. This Assessment was performed by (or under the responsible charge of) an *Environmental Professional* as defined in §312.10 of 40 CFR 312 (see Section 11.0).

Copies of selected relevant documents and supporting information are included in the applicable appendices. See the Table of Contents for a list of Appendices. Resumes for assessors and *Environmental Professionals* involved in this Assessment are included in the Appendices. Photographs taken at the time of the walkthrough are included behind the *Photographs* Tab.

1.3 Reliance

The information and opinions rendered in this report are exclusively for use by PS Southern California One, Inc., a Delaware corporation; Public Storage, a Maryland real estate investment trust, and its affiliates. Apex will not distribute or publish this report without consent except as required by law or court order. The information and opinions expressed in this report are given in response to a limited assignment and should be considered and implemented only in light of that assignment. The services provided by Apex in completing this project were consistent with normal standards of the profession. No other warranty, expressed or implied, is made.

2.0 SUBJECT PROPERTY DESCRIPTION

A description of the current uses and improvement(s) (if any) at the subject property is presented in the following table(s):

Property Summary	
Subject Property Address/Parcel Number:	1330 East Cypress Street, Covina, California APN: 8427-001-006
Owner:	TT Electronics Power Solutions (US) Inc.
Property Size (approximate):	2.26 acres
Zoning:	Zone M-1: Light Manufacturing Zone
Current Site Use:	Circuit Board Manufacturing
Access/Egress:	Access can be gained from East Cypress Street to the north.
Unimproved Areas:	None
Landscaped Areas:	Small landscaped planters containing trees are located throughout the subject property parking lot.

2.1 Building Description

A description of the current buildings at the subject property is presented in the following tables:

Building Summary	
Building Name:	Building 1
Number of Floors:	Single-story
Total Square Feet of Space (approximate):	23,800
Construction Completion Date (year):	1977
Heating Type:	Electric
Current Tenant(s):	TT Electronics

Building Summary	
Current Use(s):	Circuit Board Manufacturing
Utilities	
Water:	City of Covina
Wastewater/Sewer:	City of Covina
Natural Gas:	SoCal Gas
Electrical:	Southern California Edison

Building Summary	
Building Name:	Building 2
Number of Floors:	Two
Total Square Feet of Space (approximate):	36,200
Construction Completion Date (year):	early 1980s
Heating Type:	Electric
Current Tenant(s):	TT Electronics
Current Use(s):	Circuit Board Manufacturing
Utilities	
Water:	City of Covina
Wastewater/Sewer:	City of Covina
Natural Gas:	SoCal Gas
Electrical:	Southern California Edison

2.2 Site Reconnaissance

The subject property was assessed on foot. At the time of the walkthrough, the subject property was developed with two adjoining buildings in the center of the property that were occupied by TT Electronics. Building 1 (western building) and the first floor of Building 2 (eastern building) are primarily utilized for

manufacturing, assembly, equipment repair, packing, shipping, and quality control of circuit boards for defense industry purposes. Equipment utilized in these processes include UV ovens/coating machines, environmental quality control chambers (e.g., heat stress and vibration chambers), a furnace, cleaning machines, and soldering machines. The second floor of Building 2 is utilized primarily for offices, storage, and an inactive laboratory. Two hazardous materials sheds, cooling towers, and a loading dock are located to the south of Building 1. Additionally, a liquid nitrogen AST and underground clarifier are located to the west of Building 1. Telecommunication antennas with associated equipment are located on the roof of Building 2. The remainder of the subject property consists of asphalt-paved parking lots and small landscaped planters. Access can be gained from East Cypress Avenue to the north.

It should be noted that photographs could not be taken in production areas of the facility since manufactured materials are primarily for defense industry purposes.

The following site conditions were observed:

Issue	Observed	Comments
Stained Soil/Surface	No	
Distressed Vegetation	No	
Odors	No	

Issue	Observed	Comments
Chemical/Hazardous Materials Storage	Yes	Hazardous materials observed onsite during the site reconnaissance were as follows: • One 1,500-gallon liquid nitrogen tank to the west of the buildings. • Approximately 30 one liter coating lab packs located within flammable cabinets located in the production area and the hazardous materials shed. • Various retail-sized containers of paints, adhesives, acetone, isopropyl alcohol, and cleaning chemicals located in the flammable cabinets throughout the property. • One 55-gallon drum of spent acetone in the hazardous materials shed. • One 55-gallon drum of oily debris in the hazardous materials shed. • One 55-gallon drum of ink cartridges in the hazardous materials shed. • One 55-gallon drum of shipping foam packaging residue in the hazardous materials shed. • One 55-gallon drum of SMT stencil cleaner with rinse water in the hazardous materials shed. • Approximately 15 one gallon containers of detergent in the hazardous materials shed. • Two 55-gallon drums of oily water in the hazardous materials shed. • Several accumulation containers located in the production area and contain waste lead solder and waste wiring. All containers were observed in good condition with no evidence of leaks or staining.
Unidentified Drums/ Substance Containers	No	

Issue	Observed	Comments
Wastewater	Yes	Wastewater from the subject property originates from sinks, showers, and toilets and is discharged to the municipal sewer system. Additionally, wastewater from the cleaning machines and cooling towers are discharged to a clarifier prior to being discharged to the municipal sewer system.
Stormwater	Yes	The storm water runoff from the subject property flows via sheet flow and storm drains located throughout the parking lot into a concrete drainage ditch along the south side of the property.
Leachfields/Septic Tank	No	
Sumps/Floor Drains	Yes	A sump is located at the base of the loading dock and is used to pump stormwater from the loading dock into the asphalt-paved parking lot to the east of the loading dock. No floor drains were observed.
Wells	No	
Waste Handling and Disposal	Yes	Currently, non-hazardous solid waste is generated onsite. Waste is in the form of general refuse (e.g., paper, household trash) that is disposed of in dumpsters located to the south of Building 2. Additionally, hazardous waste is generated onsite and consists of universal waste, oily water, SMT stencil cleaner with rinse water, shipping foam packaging residue, lead solder, oily debris, and spent acetone. Hazardous waste is primarily stored within concrete bermed sheds to the south of Building 1 in 55-gallon drums and five-gallon containers. Additionally, small containers containing hazardous waste were located throughout the production area for daily accumulation. These containers are transferred to the sheds once full. All containers were observed in good condition with no leaks or staining. Hazardous waste is picked up on an as need basis by World Wide Recovery.

Issue	Observed	Comments
Potential PCB-Containing Equipment	Yes	One pad-mounted transformer is located to the south of Building 2. Additionally, one hydraulic elevator is located in the onsite building. All equipment was observed in good condition with no evidence of leaks or staining.
Clarifier	Yes	One 750-gallon clarifier is located along the west side of Building 1. The clarifier is utilized for wastewater originating from the two cleaning machines and cooling towers prior to being discharged to the municipal sewer system. Hazardous substances are not discharged into the clarifier. The clarifier is inspected once per year by the City of Covina. Apex has not received inspection records as of the date of this report.
Aboveground Storage Tanks (ASTs)	Yes	One 1,500-gallon liquid nitrogen AST is located to the west of Building 1 on a concrete pad. No secondary containment was observed. The AST was observed in good condition with no leaks or staining.
Underground Storage Tanks (USTs)	No	

2.3 Physical Setting

The subsurface conditions under the subject property are interpreted from available data and may vary. Estimated groundwater flow direction is based on topography and nearby water features unless otherwise noted. Topography is not always a reliable basis for predicting groundwater flow direction. The local groundwater gradient under the subject property may be influenced naturally by zones of higher or lower permeability, or artificially by nearby pumping or recharge, and may deviate from the regional trend. General information on the topography, surface water, soils, bedrock and groundwater in the vicinity of the subject property is as follows:

Soil Type	Urban land-Palmview-Tujunga complex, 0 to 5 percent slopes (websoilsurvey.nrcs.usda.gov).
Bedrock (Type and Depth)	Quaternary alluvium and marine deposits (ERIS, 2021).
Nearby Surface Water/ Drainage Features	San Dimas Wash is approximately 4,357 feet north of the subject property (Google image).

Estimated Depth Shallow Groundwater:	Groundwater is anticipated to be greater than 50 feet below ground surface (bgs) in the vicinity of the subject property (www.geotracker.waterboards.ca.gov).
Estimated Shallow Groundwater Flow Direction	Southwest (www.geotracker.waterboards.ca.gov).

2.4 Current Uses of Adjoining/ Nearby Properties

The area surrounding the subject property consists of commercial, residential, and light industrial development. Adjoining and nearby properties were observed (from the subject property or from public access areas) for evidence of potential *recognized environmental conditions* and their potential to pose an environmental concern to the subject property (Figure 1, *Figures* Tab). The uses and features of adjoining properties are described below (by relative compass direction and across adjoining roadways):

Direction	Name	Address	Type / Relevant Observations
North	Single-Family Residences and Sports Field for Charter Oak High School	1329-1335 Cypress Street and 1430 East Covina Boulevard	Residential & Institutional/ No concerns noted.
East	Sunny Components Inc.	1370 Cypress Street	Light Industrial/No concerns noted.
South	Railroad followed by Single-Family Residences	801-821 North Langham Avenue	Residential/No concerns noted.
West	Covina Auto Repair & Smog Services, HG Covina Market, Senor Baja, Speedi Cleaners, Domino's Pizza, El Fino Mexican Food, Firebird Liquors	810, 818, 826, 830, and 856 Glendora Avenue	Commercial/See Section 9.0.

3.0 HISTORICAL REVIEW

The following Sections detail Apex's review of available historical and related information. This includes a review of ASTM Standard Historical Sources, Agency/Department records/personnel interviews and other documents. The historical summary also incorporates information obtained from interviews and other components of the Assessment process.

3.1 Summary of Historical Review

The historical research presented in this Assessment has established the *obvious* uses of the subject property since 1894. In addition, information on historic uses of adjoining properties was also obtained. A chronological summary of the historic use of the subject and adjoining/nearby properties is presented below. Please refer to the Exceptions & Limiting Conditions Section for a summary of significant data gaps (if any).

Based on historical sources, the subject property was depicted as undeveloped land from at least 1894 in the topographic maps until sometime prior to 1928 when the property was developed agriculturally and with a residence in the northwest portion. Agricultural activities ceased and the residence was demolished circa 1964. By 1977, the westernmost building on the subject property was constructed. The easternmost building was constructed circa 1983. The configuration of the subject property has not changed since that time. Tenants of the subject property have included Perkin Elmer, EG&G Power Systems, Almond Instruments, and Excilitas Technologies. TT Electronics has occupied the subject property since June 2020.

A railroad was developed on the south adjoining property from at least 1894. At that time, the remaining adjoining properties were depicted as undeveloped in the topographic map until sometime prior to 1928 when all of the adjoining properties were developed agriculturally. A residence was developed on the east adjoining property circa 1948 and the southernmost west adjoining building was developed circa 1960. By 1960, the existing north adjoining residences and sports field were developed. Agricultural activities ceased on the remaining adjoining properties and four buildings (commercial usage and gas station) were developed on the west adjoining property circa 1964. A drycleaner has occupied the central west adjoining building since at least 1966. By 1964, the south adjoining residences were developed. An additional west adjoining commercial building and the existing east adjoining light industrial building were developed by 1972 and 1988, respectively. Between 2002 and 2009 the west adjoining gas station was demolished and the existing auto repair building was constructed.

3.2 Aerial Photographs

Aerial photographs, including the subject and adjoining properties, were obtained from ERIS - Environmental Risk Information Services for the years 1928 to 2020. Aerial photographs are summarized as follows:

Date	Comments
1928 1938	The subject and adjoining properties were developed agriculturally. Additionally, a residential-like building was developed in the northwest portion of the subject property and a railroad was developed to the south of the subject property.
1948 1949 1952	There were no significant changes from the 1938 photograph, except that a residence was developed in the center of the east adjoining property.
1960	One small building was developed on the south portion of the west adjoining property. Agricultural activities had ceased on the north adjoining property. Residences and a sports field were developed on the north adjoining property. No further changes were noted.
1964	Agricultural activities had ceased on the subject and remaining adjoining properties. The residence on the subject property was demolished, leaving the property vacant. Four additional buildings were developed on the west adjoining property. Residences were developed on the south adjoining property. No further changes were noted.
1972	There were no significant changes from the 1964 photograph, except that an additional building was developed on the west adjoining property.
1980	There were no significant changes from the 1972 photograph, except that one building was developed on the west portion of the subject property.
1988 1995	A building was developed on the east portion of the subject property. The east adjoining residence was demolished and replaced with one larger building. No further changes were noted.
2002 2005	There were no significant changes from the 1995 photograph, except that two of the structures on the north portion of the west adjoining property were demolished.
2009 2010 2012 2014 2016 2018 2020	There were no significant changes from the 2005 photograph, except that the northernmost building on the west adjoining property was demolished and replaced with a slightly larger building.

3.3 Topographic Maps

Topographic maps, including the subject and adjoining properties, were obtained from ERIS - Environmental Risk Information Services for the years 1894 to 2015. Topographic maps are summarized as follows:

Date	Comments
1894 1897 1898 1904 1927	No structures or improvements were depicted on the subject and adjoining properties with the exception of a railroad on the south adjoining property.
1954	The subject and adjoining properties were depicted as agricultural land and a small structure was depicted on the east adjoining property. No further changes were noted.
1966 1972 1981	Agricultural land was no longer depicted on the subject and adjoining properties. Additional structures were depicted on the west adjoining property. Charter Oak High School was depicted on the east portion of the north adjoining property. The west portion of the north adjoining property and the south adjoining property were shaded in pink, indicating an urban area.
2015	Individual structures were no longer depicted on the map.

3.4 Fire Insurance Maps

Sanborn fire insurance maps were not available for the area of the subject property, according to ERIS. A copy of the "No Coverage" letter is included in the Appendices.

3.5 City Directories

City directories covering the subject property and adjoining properties were obtained from ERIS - Environmental Risk Information Services for the period between 1931 and 2020 City directories are summarized as follows:

Address	Year	Occupant Listing
Subject Property		
1330 East Cypress Street	1979-1986	Almond Instruments
	1990-1991	Almond Instruments, EG&G Almond

Address	Year	Occupant Listing
	1994-2001	EG&G Power Systems
	2006-2012	Perkin Elmer Optoelectronics
	2013-2020	Excelitas Technologies Corp.
Adjoining Properties		
1370 East Cypress Street (E)	1986	Hurley Thos B Jr.
	1994-1995	Aire RE, Economy Processer Service
	2000-2001	Advantage Construction & Maintenance, Classic Wood Works, Corona Vista Construction
	2016-2020	Sunny Components
1329-1335 East Cypress Street (N)	1986-2006	Private Residences
810 Glendora Avenue (W)	1990-2020	Firebird Liquors
818 Glendora Avenue (W)	1979	Peach Garden
	1986	PJs Kountry Kitchen
	1990-1991	Back Street Cafe
	1994-1995	Chat & Choo
	2000-2001	Sandors Place
	2006	Decades Diner
	2012-2016	Flavor Lounge
	2020	El Fino Lounge
826 Glendora Avenue (W)	1966-1971	Checkmate Tavern
	1975	The Dirty Shirt
	1979	Sidepocket

Address	Year	Occupant Listing
	1990-2020	Domino's Pizza
830 Glendora Avenue (W)	1966-1971	Vic's Cleaners
	1975-1979	Charmay Cleaners
	1986-2020	Speedy Cleaners
856 Glendora Avenue (W)	1979	Sam's Union
	1986-1995	Glendora & Cypress 76
	2006-2020	Covina Auto Repair & Service

3.6 Recorded Land Title Records

Information (if any) provided to Apex by the *User* with respect to environmental liens or AULs is discussed in Section 4.0. It should be noted that the ASTM Standard recommends that the User retain a title company or title professional to undertake a review of recorded land title records.

3.7 Agency Contacts

Apex contacted the Covina City Clerk, Los Angeles County Fire Department, South Coast Air Quality Management District, Los Angeles County Public Works Department, and Regional Water Quality Control Board, on May 26, 2021 to request information on the subject property. Information was requested with respect to historic use and various environmental-related issues, such as: permits, use of or complaints/ spills/violations involving hazardous substance and petroleum products, USTs, ASTs, etc. In addition, interviews were also conducted with available agency personnel. Interviews requested relevant *personal* knowledge regarding the past history of use of, and/or potential *recognized environmental conditions* associated with, the subject property.

Permits and records on file for the subject property are summarized as follows:

Agency Name	Date Responded	Records Available	Comments
Covina City Clerk	05/27/21	Yes	• 10/27/1977 - A permit to add approximately 8,000 square feet of office space. The owner was listed as Almond Instruments. • 11/14/1977 - A permit to connect to the municipal sewer system. The owner was listed as Almond Instruments. • 12/15/1984 - A permit to change the building use to manufacturing operations. • 7/20/1992 - A permit to install a concrete foundation for one 1,500-gallon nitrogen tank. The owner was listed as EG&G Almond Instrument. • 1/5/1993 - A permit to expand the old lobby and add in a storefront-type entrance. The owner was listed as EG&G Power Systems. • 11/12/1998 - A permit to reroof the buildings onsite. The owner was listed as EG&G Power Systems. • 11/7/2001 - A permit to install roof-mounted antennas for a telecommunications facility. The owner was listed as Perkin Elmer. • 1/10/2013 - A permit to install one 750-gallon clarifier along the west side of the building. The owner was listed as Lumen Technologies. • 4/20/2020 - A permit to make modifications to the existing telecommunications facility. The owner was listed as Lumen Technologies.

Agency Name	Date Responded	Records Available	Comments
Los Angeles County Fire Department	06/02/21	Yes	• Several Inspection Forms for 2000-2020. All violations are listed in Section 6.0 and were corrected in a timely manner. The most recent inspection conducted in August 2020 did not note any violations.
Regional Water Quality Control Board	06/07/21	Yes	• 8/10/2020 - A notice of intent permit to discharge stormwater associated with industrial activity for TT Electronics.
Los Angeles County Public Works Department	05/26/21	Yes	• 4/19/2000 - A Hazardous Materials Storm Water System Inspection Form for Perkin Elmer. No violations were identified. • 3/1/2001- A Hazardous Materials Storm Water System Inspection Form for Perkin Elmer. No violations were identified; however, the property was instructed to clean a clogged storm drain near the loading dock.

Agency Name	Date Responded	Records Available	Comments
South Coast Air Quality Management District	05/28/21	Yes	• 9/3/1982 - A permit to operate a degreaser that utilized organic solvents. The owner was listed as EG&G Almond Instruments. • 10/4/1983 - A permit to operate a spray booth owned by EG&G Almond Instruments. • 1/31/1985 - A permit to operate a degreaser that utilized organic solvents. The owner was listed as EG&G Almond Instruments. • 1/7/1988 - A permit to operate a degreaser that utilized organic solvents. The owner was listed as EG&G Almond Instruments. • 1/25/1990 - A permit to operate a degreaser that utilized organic solvents. The owner was listed as EG&G Almond Instruments. • 10/28/1992 - A permit to operate a wave soldering machine owned by EG&G Power System. • 4/23/1993 - A permit to operate a degreaser that utilized cleaning solvents. The owner was listed as EG&G Power System. • 3/1/2010 - A notification to remove asbestos-containing tile from the lobby, hallway, and six restrooms. The owner was listed as Perkin Elmer. • 3/1-3/2011 - A permit to operate a soldering machine, solder reflow oven, and spray booth owned by Excelitas Technologies. • 2/14/2020 - A permit to operate a spray booth, soldering machine, and solder reflow oven owned by TT Electronics Power Solutions.

3.8 PREVIOUS ENVIRONMENTAL REPORTS OR OTHER DOCUMENTS

Apex made requests to the client and the current property owner/site contact regarding the presence of previous environmental reports or other relevant documents for the subject property (e.g., previous Phase I or Phase II ESA, geotechnical report, MSDS, etc.).

The following previous environmental reports or other relevant documents were available for review during this Assessment:

***Draft Phase I Environmental Site Assessment, Excelitas Technologies Corporation, 1330 East Cypress Street, Covina, California;* dated August 19, 2019; prepared by ERM; prepared for TT Electronics.**

At the time of this Assessment, the subject property was developed with two buildings occupied by Excelitas Technologies on 2.26 acres of land. Excelitas Technologies utilizes the property for the design, development, and manufacture photonic components, modules, and systems for the defense industry. Operations generally include of mechanical and electrical assembly of metal components. Soldering and minor painting operations occur onsite within a designated spray booth. Two hazardous waste/material storage sheds are located to the south of the buildings. Hazardous materials onsite included paint, various gases, isopropanol alcohol, acetone, chemical wipes, metal clippings, and lead solder. Additionally, two resin beds were located to the west of the buildings to deionize meniscal water for the aqueous cleaning operations. No USTs or other inground equipment were noted during the site reconnaissance with the exception of a clarifier utilized for wastewater.

Based on historical sources, the subject property was originally developed for agricultural purposes with small residential and/or farm-related structures by at least 1928. By 1964, the property had been cleared and by 1977 one of the onsite buildings was constructed. The remaining building was constructed circa 1983. Tenants onsite have generally utilized the property for light industrial purposes; however, former operations onsite have included degreasing operations using chlorinated solvents (late 1970s-early 1990s) and magnetic coating operations (ceased in 2014). Limited information was available regarding degreasing operations; however, the onsite contact indicated that the reported quantity of historic chlorinated solvents remained below 55-gallons at a time. Magnetic coating operations were conducted under a hood to ensure proper ventilation; however, VOCs were likely emitted into the air.

No evidence of a recognized environmental condition was identified during this assessment; however, de minimis staining was noted on the epoxy-coated concrete floors in the hazardous materials shed. The historic operations at the property, possible asbestos-containing materials and polychlorinated biphenyls onsite due to the age of the buildings, and the west adjoining property (utilized as a gas station, auto repair, and drycleaners currently and historically) were considered "Other Potential Issues"; however, no recommendations were given.

4.0 USER PROVIDED INFORMATION

ASTM E1527-13 defines "*User*" as the party seeking to use Practice E1527 to complete an environmental site assessment of the subject property. Apex understands that PS Southern California One, Inc., a Delaware corporation; Public Storage, a Maryland real estate investment trust, and its affiliates is the *User* as defined by ASTM E1527-13. ASTM E1527-13 specifies that certain tasks associated with identifying potential *recognized environmental conditions* at the subject property should be performed by the *User* and provided to the Environmental Professional (i.e., *User Responsibilities*). Accordingly, Apex provided the *User* a questionnaire, requesting specific information (see Appendices). Public Storage has not completed the User questionnaire as of the date of this report; however, title documents and previous reports were provided.

Based on Apex's review of the *User* provided information, the following information was found:

User Provided Information	Issue Identified	Comments
Title Records	No	The owner of the subject property is TT Electronics Power Solutions (US) Inc..
Environmental Liens or Activity and Use Limitations	No	No information provided.
Commonly Known or Reasonably Ascertainable Information	No	No information provided.
Valuation Reduction for Environmental Issues	No	No information provided.
Previous Reports	Yes	See Section 3.8.
Owner, Property Manager and Occupant Information	No	No information provided.

5.0 INTERVIEWS

Apex interviewed selected individuals associated with the subject property. The purpose of the interview(s) was to obtain additional information related to 1) the current and past operations at the subject and/ or adjoining properties that may result in *recognized environmental conditions*, and 2) the presence of *Proceedings Involving the Property* (e.g., litigation, regulatory agency rulings, violations, etc.).

5.1 Interview with Manager

Apex interviewed Mr. Craig Auzenne, the Senior Maintenance Technician with TT Electronics, on June 2, 2021, during the site reconnaissance. Mr. Auzenne provided general information regarding current operations at the subject property and indicated that TT Electronics acquired business operations at the subject property in June 2020. Mr. Auzenne is unaware of environmental issues of concern associated with the subject property, and stated that he was unaware of USTs historically or currently located on the subject property with the exception of the wastewater clarifier located onsite. Mr. Auzenne indicated that the City of Covina is responsible for inspecting and sampling the clarifier wastewater on an annual basis. Mr. Auzenne provided additional information that is incorporated into appropriate sections of this report.

5.2 Interviews with Others

Previous owners were not interviewed during this assessment, because adequate information was obtained from other sources during this assessment.

6.0 STANDARD ENVIRONMENTAL RECORDS SOURCES: FEDERAL, STATE, AND TRIBAL

Available government database information prepared by ERIS - Environmental Risk Information Services was reviewed to evaluate both the subject property and listed sites within ASTM-recommended search distances. This included ASTM Standard Federal, State, and Tribal databases and may also include other types of records, subject to availability (e.g., local lists).

The regulatory database report also included an Unmappable Sites Section. Unmappable sites are sites that cannot be plotted with confidence, but can be located by zip code or city name. In general, a site cannot be geocoded due to inaccurate or missing information in the environmental database record provided by its applicable agency. Unmappable sites that were identified by Apex are included, as applicable, within the following paragraphs.

The subject property was identified in the RCRA TSD, RCRA SQG, FINDS/FRS, LA HMS, Haznet, Hist Manifest, Emissions, LA County CUPA, TRIS, RCRA NonGen, and CERS Haz databases reviewed as Excelitas Technologies Corp, EG&G Power Systems, EG&G Almond Instruments, Perkin Elmer, T-Mobile West, and TT Electronics Power Solutions. The subject property was identified in the FINDS/ FRS database as having an industrial storm water permit, being a hazardous waste generator, and being a hazardous air pollutant. The Cers Haz database indicated that several violations are on file for the subject property between 2000 and 2018. Violations have included inaccurate hazardous material inventory, failure to submit notification for onsite waste treatment, inaccurate CUPA submittal, and failure to maintain hazardous waste manifests. All violations were returned to compliance and were generally involving administrative matters.

According to the Haznet and Hist Manifest databases, the subject property has disposed of various amounts of aqueous solution with total organic residues less than 10 percent, off-specification/aged/ surplus inorganics, metal sludge, other inorganic solid waste, halogenated solvents, oxygenated solvents, unspecified solvent mixture, waste/mixed oil, unspecified oil-containing waste, polychlorinated biphenyls and material containing PCBs, polymeric resin waste, latex waste, unspecified organic liquid mixture, laboratory waste chemicals, empty containers less than 30 gallons, liquids with mercury, liquids with halogenated organic compounds, acidic liquids, other organic solids, and unspecified aqueous solution between 1982 and 2015. No further violations or evidence of a release were identified at the subject property.

A total of 62 listed sites and zero unmappable sites were identified in the databases reviewed.

The database information reviewed did indicate the presence of adjoining and/or nearby facilities within ASTM-recommended search distances of the subject property. However, it is Apex's opinion these facilities do not represent a significant threat of impact to the subject property. This opinion is supported by one or more of the following: intervening distance and/or orientation relative to the subject property; surface topography; known or suspected groundwater flow direction; regulatory status (e.g., only hold an operating permit [which does not imply a release], have been issued "*No Further Action*" status by the appropriate regulatory agency); and/or other available information. Accordingly, based on available information, it is Apex's opinion these facilities do not represent a *recognized environmental condition*, as defined by ASTM, with respect to the subject property.

The following site was evaluated in greater detail:

- 76 Products Station #5012/Union Oil Service Station/Covina Auto Repair & Service, located at 856 Glendora Avenue, is the west adjoining downgradient property. The site was identified in the LUST, LA HMS, HHSS, Haznet, FINDS/FRS, Hist Tank, LA County CUPA, and UST Sweeps databases reviewed. The site formerly operated as a gas station with two gasoline and one waste oil USTs with an industrial waste permit. All USTs were installed in 1963 and were of single-walled carbon steel construction. A release was discovered during the removal of the USTs on March 16, 1990 and affected soil only. The incident received closure as of June 18, 1991. No further information was identified regarding the UST incident. This site is currently operating as an auto repair facility. Since this site immediately adjoins the subject property and closure was received, this is considered a historic recognized environmental condition.

7.0 TIER 1 VAPOR ENCROACHMENT SCREEN (VES)

Apex conducted a Tier 1 VES during the Phase I ESA. The VES was conducted in accordance with ASTM E2600-15, *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*. The methods and terms are as defined in the ASTM standard.

The goal of a VES is to identify a vapor encroachment condition (VEC) at a subject property. A VEC is defined as the presence or likely presence of chemicals of concern (COC) vapors in the subsurface of a subject property caused by the release of vapors from contaminated soil or groundwater either on or near the subject property.

Information was obtained with respect to the following: planned additional structures; and significant natural or man-made “preferential pathways” of potential vapor migration. This information is summarized below:

- No information was provided on plans for the construction of additional buildings. The planned use for the subject property is development as a self storage facility.
- The subject property is connected with several types of utilities, each of which has underground utility conduits.
- Based on available information soil was found to be Urban land-Palmview-Tujunga complex, 0 to 5 percent slopes and groundwater was found to be greater than 50 feet bgs.

7.1 Tier 1 Screen Evaluation

An evaluation of that information includes two tests: 1) a search distance test to evaluate the proximity of the target property to known or suspected “*contaminated properties*”, and 2) a chemicals of concern test to determine the likely presence of COCs at the subject or properties within the area of concern (AOC). In evaluating the data, the distance and proximity to potentially contaminated offsite properties must be evaluated, including whether they are up-, cross-, or down-gradient relative to the subject property. A brief summary of relevant information considered for the Tier 1 screening follows:

Location of Suspect Contaminated Properties	Type of COC	Orientation from Subject Property	Comments	Does VEC exist?
1330 East Cypress Street	Volatile Organic Compounds (VOCs)	Subject Property	Former operations on the subject property have included degreasing operations using chlorinated solvents (late 1970s-early 1990s). Limited information was available regarding degreasing operations; however, the 2019 Phase I ESA indicated that the reported quantity of historic chlorinated solvents remained below 55-gallons at a time. Subsurface sampling has never been conducted onsite to evaluate if there are VOC impacts.	Yes
Speedy Cleaners 830 Glendora Avenue	Volatile Organic Compounds (VOCs)	West adjoining, downgradient property	A drycleaners has been located on the west adjoining property since at least 1966. Chlorinated solvents may have historically or currently be used in the drycleaning process.	Yes
76 Products Station #5012/ Union Oil Service Station/ Covina Auto Repair & Service 856 Glendora Avenue	Petroleum hydrocarbons	West adjoining, downgradient property	The site formerly operated as a gas station with two gasoline and one waste oil USTs. A release was discovered during the removal of the USTs on March 16, 1990 and affected soil only. The incident received closure as of June 18, 1991.	No

7.2 Tier 1 Screening Findings

The *vapor encroachment screen* process has been completed in accordance with the Standard. Based on Apex's evaluation a *VEC* exists at the subject property due to previous operations at the subject property involving chlorinated solvents and the west adjoining drycleaner.

8.0 EXCEPTIONS & LIMITING CONDITIONS OF ASSESSMENT

Information for the Assessment was obtained from the sources listed in the Appendices. This information, to the extent it was relied on to form our opinion, is assumed to be correct and complete. Apex is not responsible for the quality or content of information from these sources.

8.1 Unavailable Documentation

Requested documentation regarding the subject property was made available for review.

8.2 Lack of Access / Reconnaissance Limitations

Apex did not encounter significant access or reconnaissance limitations at the subject property; however, it should be noted that photographs were not allowed to be taken in the production area due to the sensitive nature of the work (defensive industry).

8.3 Data Gaps

The ASTM Standard requires that the report identify the following: 1) *obvious* uses of the subject property since 1940 or first development, whichever is *earlier;* and 2) significant "data gaps" which affect the ability of the Environmental Professional to identify *recognized environmental conditions.* The report is also to include information on the sources consulted to address the data gaps.

Historical subject property ownership and/or use information was obtained for the time period 1894 to present. Based on this information, Apex has established the history of *obvious* uses of the subject property since 1940 or first development, whichever is *earlier*. No significant data gaps (or other data gaps warranting discussion) were encountered during this Assessment, except the following:

Type of Data Gap	Does this affect the ability to identify RECs?	Rationale	Sources consulted
No User Questionnaire	No	Requested information was obtained from other sources.	Apex obtained and review the following reasonably ascertainable records/ information: 1) ASTM Standard Historical Sources (except recorded land title records), 2) selected local environmental records sources, 3) interviewed local government agency personnel, 4) interviewed the current owner, and 5) ASTM Standard Environmental Records Sources (through a commercially available database).
Historical source gaps greater than 5 years	No	Information from other sources verified historical uses of the property.	Apex obtained and reviewed the following reasonably ascertainable records/ information: 1) ASTM Standard Historical Sources (except recorded land title records), and 2) selected local environmental records sources.

9.0 FINDINGS AND OPINIONS

This section presents a summary of available information on known or suspected *recognized environmental conditions, historical recognized environmental conditions* and *de minimis conditions* (if any) at the subject property. It also includes Apex's opinion and rationale for concluding that a condition is, or is not, currently a *recognized environmental condition.* Based on a review of the information presented in this Assessment, Apex presents the following relevant findings and opinions:

- **Historical Onsite Use of Chlorinated Solvents -** Tenants onsite have generally utilized the property for light industrial purposes; however, former operations on the subject property have included degreasing operations using chlorinated solvents (late 1970s-early 1990s). Limited information was available regarding degreasing operations; however, the 2019 Phase I ESA indicated that the reported quantity of historic chlorinated solvents remained below 55-gallons at a time. Approximate locations of degreasing operations were indicated in the 2019 Phase I ESA; however, the site contact during Apex's Phase I ESA was not able to confirm these locations. All approximate locations were located within the production area. No indication of floor drains, trenches, or pits were observed within this area during the site reconnaissance. Additionally, de minimis staining was noted on the epoxy-coated concrete floors in the hazardous materials shed during the 2019 Phase I ESA. No staining was observed during Apex's site reconnaissance. The former usage of chlorinated solvents onsite is considered a *recognized environmental condition*.

- **West Adjoining Drycleaner -** Speedy Drycleaners is currently located in the central building on the west adjoining property. A drycleaner has been located in that tenant space since at least 1966 based on city directory listing. The drycleaner was not identified in the database review. There is a possibility that chlorinated solvents could have and/or are currently being utilized onsite in the drycleaning process. Based on this usage and the close vicinity to the subject property, this is considered a *recognized environmental condition*.

- **Former West Adjoining Gas Station -** 76 Products Station #5012/Union Oil Service Station/ Covina Auto Repair & Service, located at 856 Glendora Avenue, is the west adjoining downgradient property. The site was identified in the LUST, LA HMS, HHSS, Haznet, FINDS/ FRS, Hist Tank, LA County CUPA, and UST Sweeps databases reviewed. The site formerly operated as a gas station with two gasoline and one waste oil USTs with an industrial waste permit. All USTs were installed in 1963 and were of single-walled carbon steel construction. A release was discovered during the removal of the USTs on March 16, 1990 and affected soil only. The incident received closure as of June 18, 1991. No further information was identified regarding the UST incident. This site is currently operating as an auto repair facility. Since this site immediately adjoins the subject property and closure was received, this is considered a *historic recognized environmental condition*.

- **Former Agricultural Use -** Based on the review of historical aerial photographs, the subject property was observed in agricultural use historically. Given this usage, it is possible that pesticides and/or herbicides were once used onsite and residual amounts may remain. Based on Apex's experience in sampling soils for residual pesticides and/or fertilizers that have been applied in conjunction with normal agricultural activities and the length of time since agricultural activity occurred onsite, the likelihood that residual chemicals will be found above cleanup levels

is low. Based on this evaluation, it is Apex's opinion that the potential past use of pesticides and/ or fertilizers does not present a *recognized environmental condition* to the subject property.

- **Tier 1 Vapor Encroachment Screen** – Apex has conducted a Tier 1 Vapor Encroachment Screen, in accordance with ASTM Standard E2600-15. The nature of former site conditions and offsite properties of *potential* environmental concern were noted in the databases or other information reviewed, and based on the VES, Apex believes that a *vapor encroachment condition* does exist due to the past uses of chlorinated solvents onsite and the west adjoining drycleaner. This VEC does represent a *recognized environmental condition* to the subject property.

10.0 CONCLUSIONS AND RECOMMENDATIONS

Apex has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of CA21222 located at 1330 East Cypress Street in Covina, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Sections 1.2 and 1.3 of this report.

This Assessment has revealed no evidence *controlled recognized environmental conditions* in connection with the subject property.

The following *recognized environmental conditions* were identified during this Assessment:

- **Historical Onsite Use of Chlorinated Solvents**
- **West Adjoining Drycleaner**
- **Tier 1 Vapor Encroachment Screen**

The following *historic recognized environmental condition* was identified during this Assessment:

- **Former West Adjoining Gas Station**

Based on Apex's review of the environmental condition of the subject property, it is recommended that soil vapor sampling be conducted onsite to assess potential contamination from the adjoining drycleaner and the past use of chlorinated solvents onsite. Due to the sensitive nature of onsite activities, sampling will likely need to be conducted around the exterior of the building.

11.0 SIGNATURES

This report was prepared, under the responsible charge of the Environmental Professional noted below:



Jennifer Woods
Associate Consultant III
Health, Safety and Environmental Services
Signal Hill Regional Office
Apex Companies, LLC

Environmental Professional's Certification:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Shannon Gillespie
Program Manager
Health, Safety and Environmental Services
Signal Hill Regional Office
Apex Companies, LLC

June 9, 2021
Phase I Environmental Site Assessment
CA21222
1330 East Cypress Street
Covina, California
Project No. 25021-021079.00

12.0 SOURCES AND REFERENCES

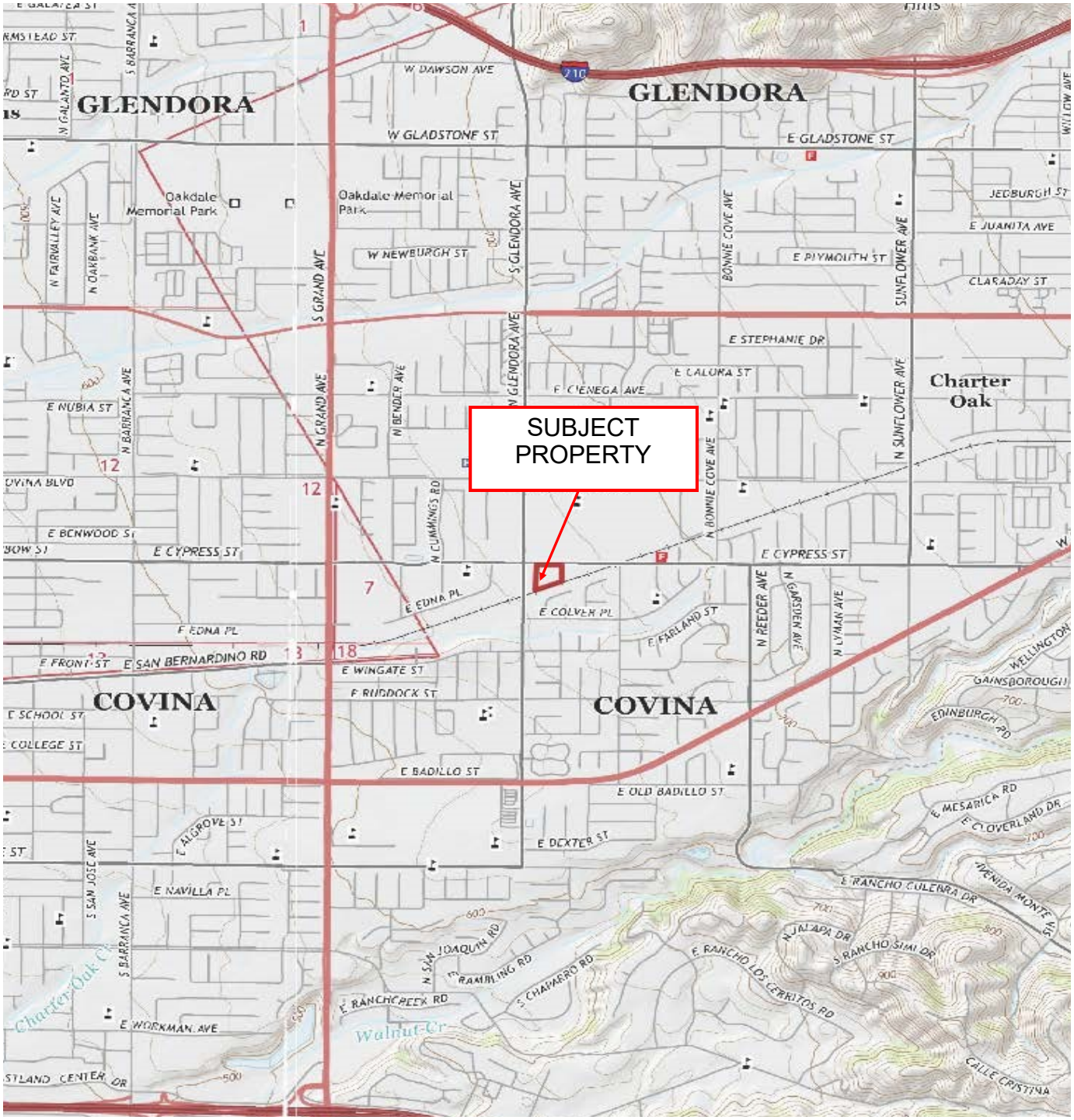
Documents & Previous Reports Reviewed

ASTM International, “Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transaction,” ASTM Designation E2600-15
ASTM International, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM Designation E1527-13
Radius Map Report, ERIS, Inc.
City Directories, obtained from ERIS: 1931 through 2020
Aerial photographs, obtained from ERIS: 1928 through 2020
Historic topographic maps, obtained from ERIS: 1894 through 2015
Fire insurance maps, not available from ERIS
Draft Phase I Environmental Site Assessment, Excelitas Technologies Corporation, 1330 East Cypress Street, Covina, California; dated August 19, 2019; prepared by ERM; prepared for TT Electronics.

Persons/Agencies Contacted

Person/Agency Contacted	Contact Information	Date Contacted
Covina City Clerk	cityclerk@covinaca.gov	05/25/21
Los Angeles County Fire Department	www.fire.lacounty.gov/	05/25/21
Regional Water Quality Control Board	WB-RB4-PublicRecords@waterboards.ca.gov	05/25/21
Los Angeles County Public Works Department	https://dpw.lacounty.gov/epd/CleanLA/OpenFileReview.aspx	05/25/21
South Coast Air Quality Management District	http://www.aqmd.gov/nav/online-services/public-records	05/25/21

Site Plan



PORTION OF 7.5-MINUTE
(TOPOGRAPHIC) MAP
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SAN DIMAS, CA QUADRANGLE
(2015)

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SCALE NOT TO SCALE	SITE LOCATION CA21222 1330 EAST CYPRESS STREET COVINA, CALIFORNIA	APEX	FIGURE 1
DATE JUNE 2, 2021			
PRJ NO. 25021-021079.00			

Site and Vicinity Plan



LEGEND

SUBJECT PROPERTY BOUNDARY

N

SCALE NOT TO SCALE	SITE VICINITY CA21222 1330 EAST CYPRESS STREET COVINA, CALIFORNIA	APEX	FIGURE 2
DATE JUNE 2, 2021			
PRJ NO. 25021-021079.00			

Photographs

1



View of the subject property building facing southwest.

2



View of the eastern parking lot facing north.

3



General view of office space.

4



General view of conference rooms onsite.

5



View of general storage in the maintenance area.

6



View of the machine shop.

7



View of the inactive laboratory.

8



View of general site maintenance materials.

9



View of hazardous waste accumulation buckets located in the production area.

10



General view inside a flammable cabinet onsite.

11



View of the pad-mounted transformer facing north.

12



View of the loading dock with sump facing north.

13



View of the hazardous materials storage sheds facing northwest.

14



View of the interior of one of the hazardous materials storage sheds.

15



View of the oily water drums in the hazardous materials storage shed.

16



View of the cooling towers facing east.

17



View of the clarifier on the west side of the buildings facing northeast.

18



View of the liquid nitrogen AST facing northeast.

19



View of the stormwater drainage and south adjoining railroad facing east.

20



View of the east adjoining property facing southeast.

21



View of the north adjoining property facing north.

22



View of the west adjoining auto repair facility facing southwest.



View of the west adjoining commercial building facing southeast.

Resumes

Jennifer Woods

CONSULTANT III

Ms. Woods conducts Phase I Environmental Site Assessments (ESAs) for various financial, real estate, industrial, and commercial clients. Using American Society for Testing Materials (ASTM) standard practices as a guideline, Ms. Woods has conducted Phase I ESAs of industrials sites, commercial buildings, and undeveloped land throughout California, Arizona, Washington, Oregon, Nevada, Idaho, Montana, Colorado, Hawaii, and Texas. These have included performing historical research, interviewing owners, occupants, and local government officials, and generating reports. Ms. Woods also has participating in all phases of asbestos and lead projects. In addition, to assessing potential environmental conditions, Ms. Woods participates in Phase II investigative activities, including soil sampling, groundwater sampling, and soil vapor sampling.

Education

BS, Environmental Science, University of California, San Diego (2015)

Professional Registrations/Certification/Training

- Asbestos Hazard Emergency Response Act (AHERA) Building Inspector (6N10515)
- Asbestos Contractor/Supervisor (5N12392)
- Asbestos Certified Site Surveillance Technician (17-6101)
- Certified Lead Sampling Technician (28050)
- 40-Hour OSHA Hazwoper Trained

General Experience

2019 – Present **Consultant III • Apex Companies, LLC**

2015 – 2019 Consultant III • Bureau Veritas North America, Inc.

Project Experience

Phase I Environmental Site Assessment (ESAs)

Ms. Woods has conducted various Phase I ESAs throughout California, Arizona, Nevada, Oregon, Washington, Colorado, Hawaii, and Texas to satisfy due diligence investigations for real estate transactions, banks, real estate investment companies, developers, and property owners. Ms. Woods has conducted site inspections and investigated surrounding property usage; reviewed relevant regulatory files for investigations at the site or in the immediate area; and surveyed past site and surrounding property uses using aerial photographs, city directories, fire insurance maps, and government records.

Phase II Subsurface Investigations

Ms. Woods has conducted a variety of activities associated with Phase II Subsurface Investigations including field soil, groundwater, and soil vapor sample collection and lithology description, data quality control, and generating reports.

Asbestos and Lead Surveys

Ms. Woods has conducted a variety of asbestos and lead related services. Asbestos services include demolition to limited surveys of suspect asbestos-containing materials and air monitoring/oversight for asbestos abatement. Lead services include surveys for suspect lead paints by paint chip collection and XRF analyzer for direct readings of lead content.

National Environmental Policy Act (NEPA)

Ms. Woods has conducted environmental assessments in Southern California in compliance with the National Environmental Protection Act (NEPA) for national telecommunication clients. Ms. Woods' research includes consultation with several bureaus within the United States Department of Interior such as National Park Services (NPS), United States Fish & Wildlife Services and Bureau of Land Management (BLM). In addition, Ms. Woods contacts state and local agencies, federally and non-federally recognized Native American Tribes concerning religious areas, and the California Historic Preservation Office. Ms. Woods has investigated potential wildlife and wilderness preserves, wetlands, endangered or threatened species and habitats and Native American religious areas. Ms. Woods has knowledge of the Federal Communications Commission's (FCC) Nationwide Programmatic Agreement (NPA).

Shannon Gillespie

PROGRAM MANAGER

Ms. Gillespie has over 30 years of technical experience in conducting environmental assessments and currently works on a natural basis to maintain quality and consistency between offices. Ms. Gillespie supervises staff responsible for conducting Phase I Environmental Assessments and subsequent subsurface investigations and has final review of project deliverables. She interacts with clients and is responsible for assuring report timeliness and maintaining project budgets. She prepares Phase I and subsurface investigation proposals and conducts business development.

Ms. Gillespie has coordinated, managed, and conducted Phase I Environmental Assessments of residential, commercial, and industrial properties as part of real estate transactions for due diligence investigations. The Phase I assessments include site visits to inspect current site and vicinity usage, review of relevant regulatory files for investigations at the site or in the area, personnel interviews, reviews of hazardous material and waste handling practices, identifying potential sources of contamination and asbestos-containing materials, and surveys of past site and vicinity usage.

Ms. Gillespie also reviews environmental assessment reports for financial institutions to assess business risk and assists clients in the preparation of Hazardous Materials Business Plans. Additionally, she conducts Phase II and Phase III assessments to locate and determine the extent of soil and groundwater contamination. Her responsibilities include soil boring installation, developing site-specific work plans and health and safety plans, interpreting analytical results, estimating volumes of impacted soil and groundwater, estimating remediation costs and report preparation.

Education

BS, Chemistry, Arizona State University (1986)

Professional Registrations/Certification/Training

- California Registered Environmental Assessor (REA-03582)
- Certified Environmental Specialist (13564)
- OSHA 40-Hour Hazwoper

General Experience

2019 – Present	**Project Manager • Apex Companies, LLC**
1989 – 2019	Program Manager • Bureau Veritas North America, Inc.
1988-1989	Rollins Chempak, Inc.
1987-1988	Disposal Control Service
1987	Maricopa County Landfill Department
1985	Salt River Project

Project Experience

CERCLA Preliminary Assessment – State of California Real Estate Division

Ms. Gillespie prepared a CERCLA preliminary assessment for a 1,300-acre Department of Defense and California Army National Guard installation (Los Alamitos Armed Forces Reserve Center). The assessment included: a review of available files, personnel interviews, onsite and offsite reconnaissance, historical aerial photograph review and survey of potential sources of past and current contamination and contaminant sources. The preliminary assessment indicated that past and

present operations at the installation had involved in use, storage, treatment, spillage, leakage, and disposal of materials and/or wastes that are now considered hazardous. These materials and wastes were used in a variety of aircraft and vehicle maintenance, fuel storage, landfilling, aircraft-washing, and other facility activities and operations. Based on this information, potential areas of concern at the installation requiring site investigation activities were identified. The Preliminary Assessment was conducted using guidelines developed by the U.S. Environmental Protection Agency (EPA), Waste Management Division, Region IX and California Department of Toxic Substances (DTSC).

The SI included twelve potential areas of concern identified in the Preliminary Assessment. The areas included two landfills, a flight line area, revetments, fuel tank farms, former rifle ranges, clarifiers, munitions bunkers, agricultural areas and a wastewater treatment plant. Investigation included the collection of air, surface water, groundwater, soil and soil vapor samples to assess the presence of various contaminants that were identified in the previous assessments. Ms. Gillespie was an integral member of the team in the evaluation of data collected during the SI and generation of the remedial investigation work plan, health and safety plan, quality assurance project plan, and field sampling plan.

Phase I Environmental Site Assessment (ESAs) – Lending Institute

Ms. Gillespie supervised the completion of a 45-site portfolio for a major lending institute to satisfy due diligence. The sites were located in California, Texas, and Arizona and required the coordination of staff from three other offices. All field work and written reports had to be completed within a four week period of time and within a tight budget. Ms. Gillespie solely maintained client contact and reviewed all deliverables prior to submittal to client. Some of the projects required subsequent Phase II investigations based on findings during the Phase I.

Phase I Environmental Site Assessment (ESAs) – Auto Manufacturing Company

Ms. Gillespie conducting a Phase I ESA of a previously industrial buildings and adjacent agricultural field prior to the client purchasing properties. Based on the findings of the site inspection, a subsurface investigation was conducted simultaneous to the completion of the Phase I. The subsurface investigation had to be completed within five days and included 34 boreholes using direct push methods and over 160 samples. One report was submitted to the client that included both the Phase I and subsurface investigation.

Phase I Environmental Site Assessment (ESAs) – Cellular Communications Company

Ms. Gillespie managed the completion of over 1,000 assessments for a cellular communications company since 2001 to satisfy due diligence. Completion of the project, which included Phase I ESAs and NEPA work, required the coordination of staff from five other offices. All fieldwork and written reports had to be completed within a quick turnaround and within a tight budget. Ms. Gillespie solely maintained client contact and reviewed all deliverables prior to submittal to client.

Aerial Photographs

ERIS

HISTORICAL AERIALS

Project Property:	PS - Covina, CA 1330 Cypress Street Covina CA 91724
Requested By:	Apex Companies, LLC
Order No:	21052501639
Data Completed:	May 31,2021

Environmental Risk Information Services
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Date	Source	Scale	Comments
2020	National Agriculture Information Program	1" to 500'	
2018	National Agriculture Information Program	1" to 500'	
2016	National Agriculture Information Program	1" to 500'	
2014	National Agriculture Information Program	1" to 500'	
2012	National Agriculture Information Program	1" to 500'	
2010	National Agriculture Information Program	1" to 500'	
2009	National Agriculture Information Program	1" to 500'	
2005	National Agriculture Information Program	1" to 500'	
2002	National Agriculture Information Program	1" to 500'	
1995	US Geological Survey	1" to 500'	
1988	National High Altitude Photography	1" to 500'	
1980	US Geological Survey	1" to 500'	
1972	US Geological Survey	1" to 500'	
1964	US Geological Survey	1" to 500'	
1960	Private Company	1" to 500'	
1952	US Geological Survey	1" to 500'	
1949	Private Company	1" to 500'	
1948	US Geological Survey	1" to 500'	
1938	Agriculture and Soil Conservation Service	1" to 500'	
1928	Private Company	1" to 500'	



Year: 2020
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 2018
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 2016
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 2014
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 2012
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 2010
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS

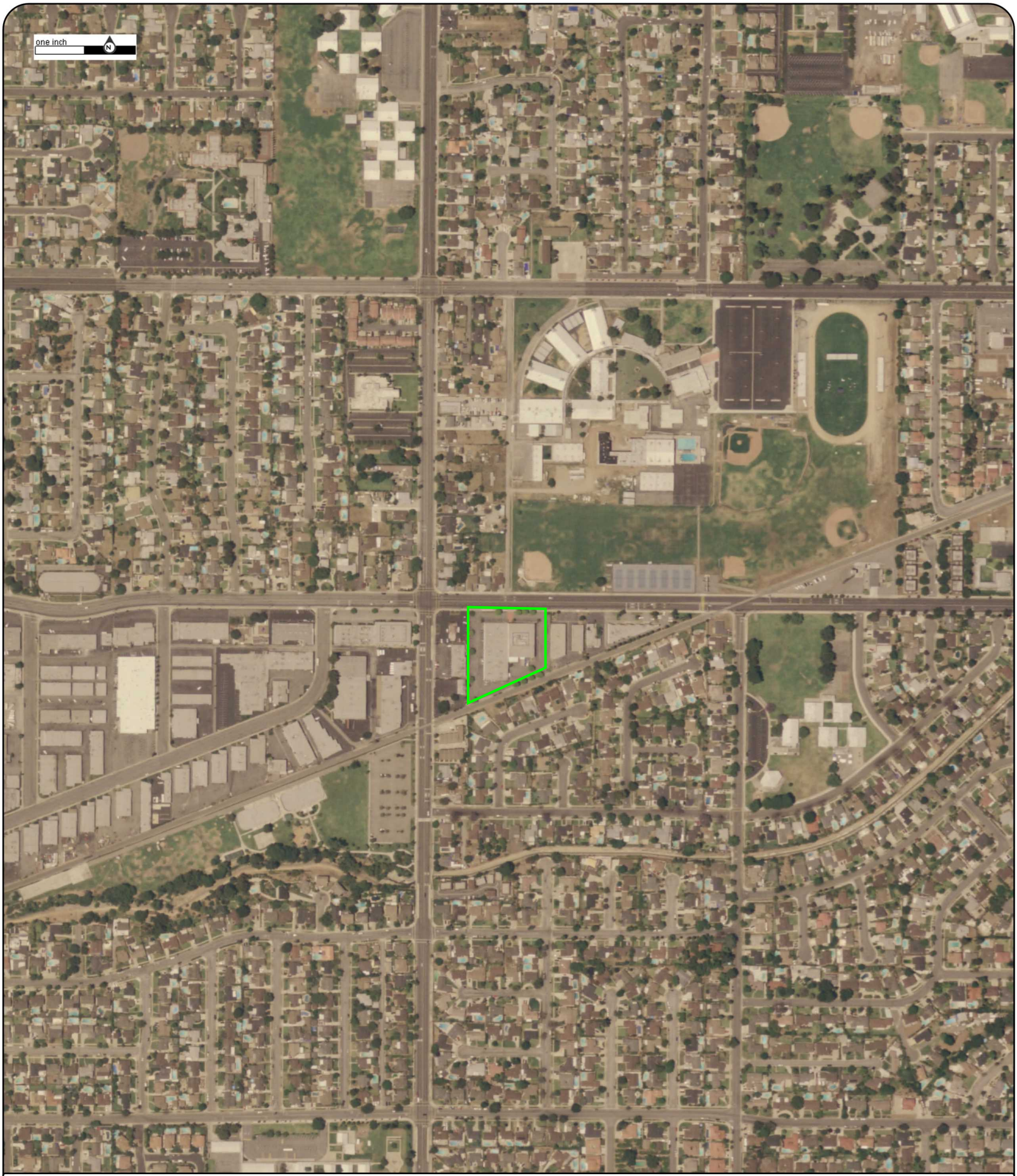


Year: 2009
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 2005
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 2002
Source: NAIP
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 1995
Source: USGS
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 1988
Source: NHAP
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 1980
Source: USGS
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 1972
Source: USGS
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 1964
Source: USGS
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 1960
Source: FAIRCHILD
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 1952
Source: USGS
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 1949
Source: FAIRCHILD
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 1948
Source: USGS
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 1938
Source: ASCS
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS



Year: 1928
Source: FAIRCHILD
Scale: 1" to 500'
Comment:

Address: 1330 Cypress Street, Covina, CA
Approx Center: -117.86268619,34.09524033

Order No: 21052501639

ERIS

Topographic Maps

TOPOGRAPHIC MAPS

Project Property:	PS - Covina, CA 1330 Cypress Street Covina CA 91724
Project No:	25021-021079.00
Requested By:	Apex Companies, LLC
Order No:	21052501639
Date Completed:	May 25, 2021

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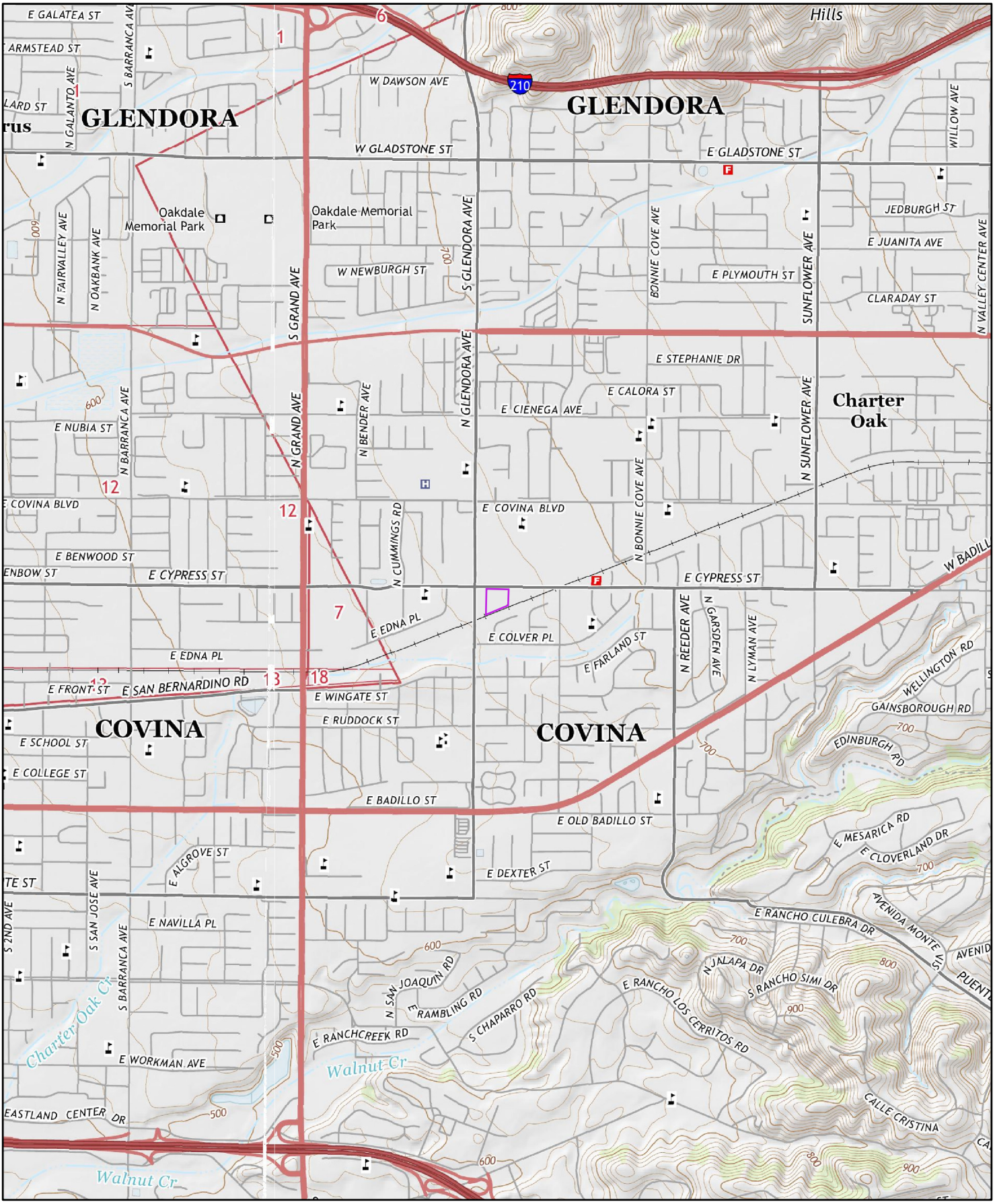
We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2015	7.5
1981	7.5
1972	7.5
1966	7.5
1954	7.5
1927	7.5
1904	15
1898	15
1897	15
1894	15

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.
No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc.(in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS. This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.



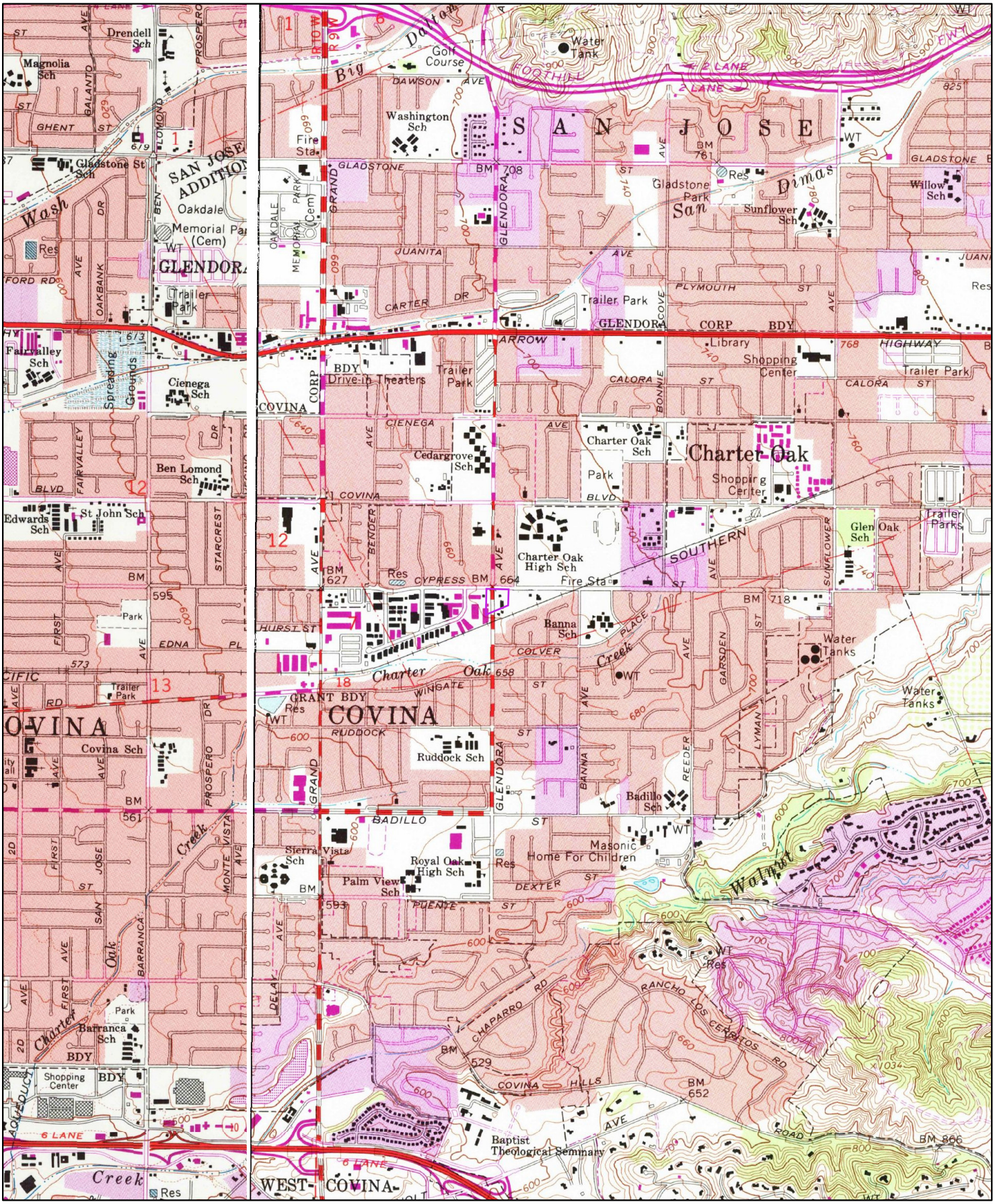
2015

Miles
0 0.2 0.4 0.8

Order No. 21052501639

Quadrangle(s): San Dimas,CA

Source: USGS 7.5 Minute Topographic Map



1981

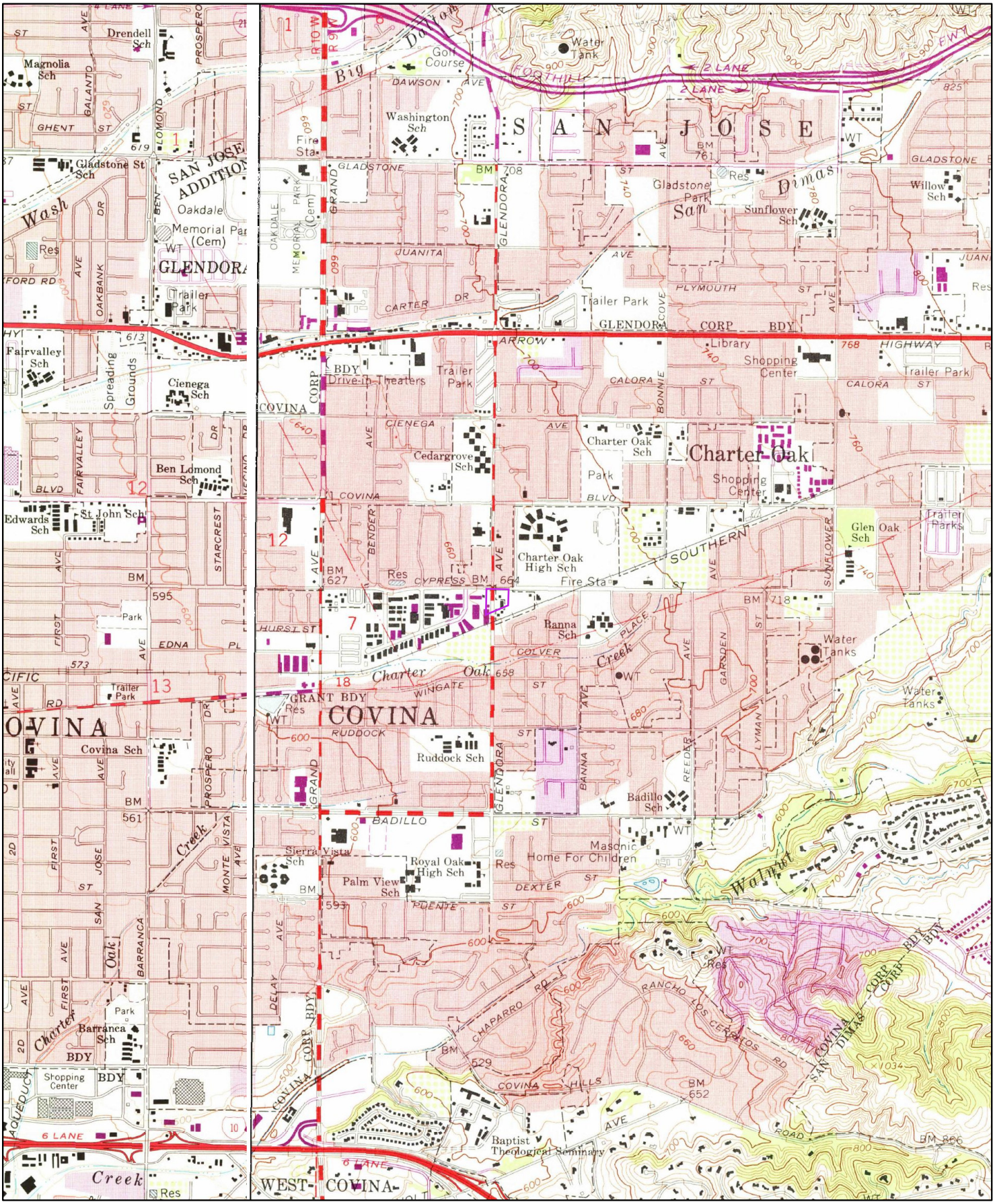
0 0.2 0.4 0.8 Miles

Order No. 21052501639

Quadrangle(s): San Dimas,CA

Source: USGS 7.5 Minute Topographic Map

ERIS

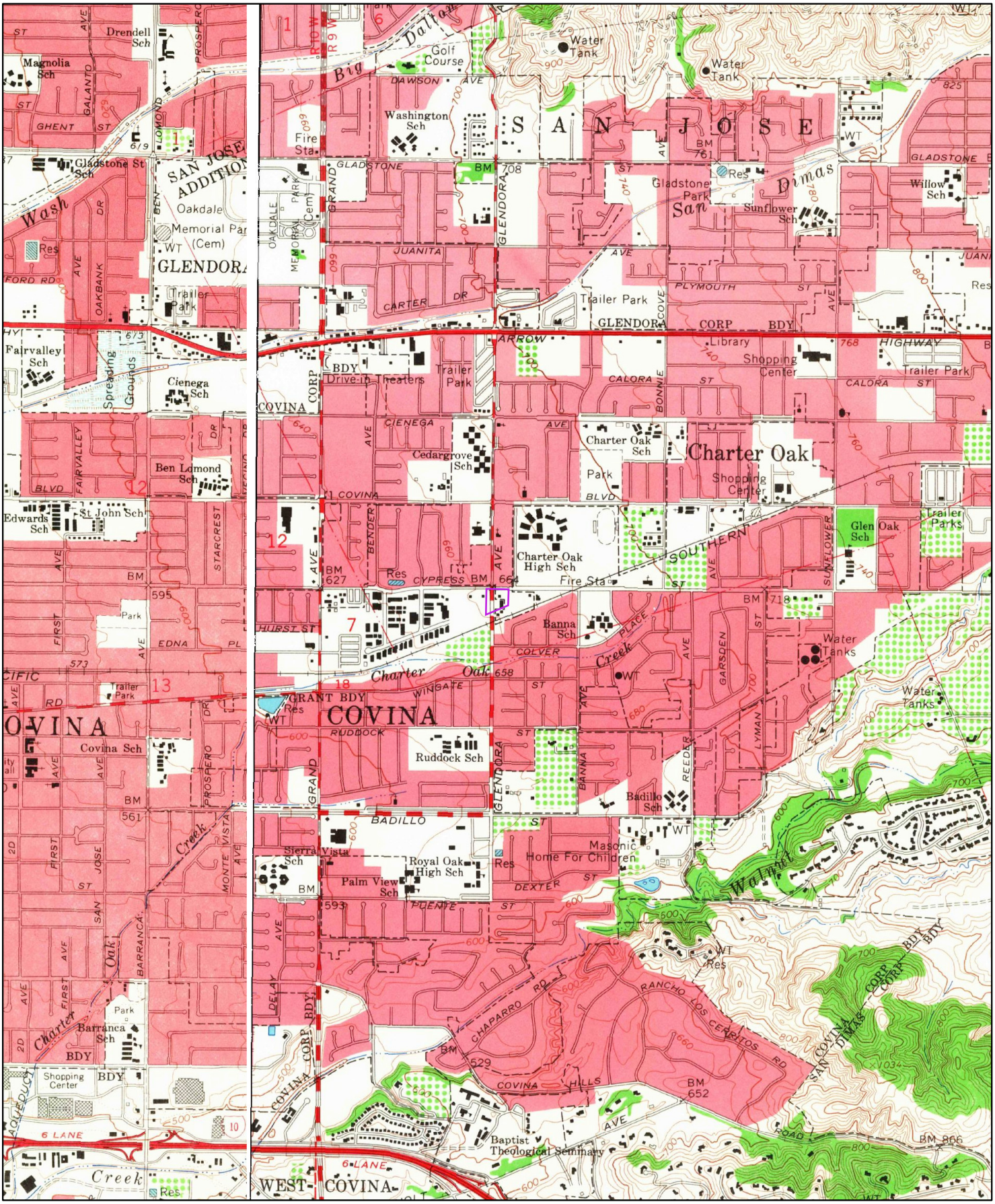


1972

Order No. 21052501639

Quadrangle(s): San Dimas,CA

Source: USGS 7.5 Minute Topographic Map



1966

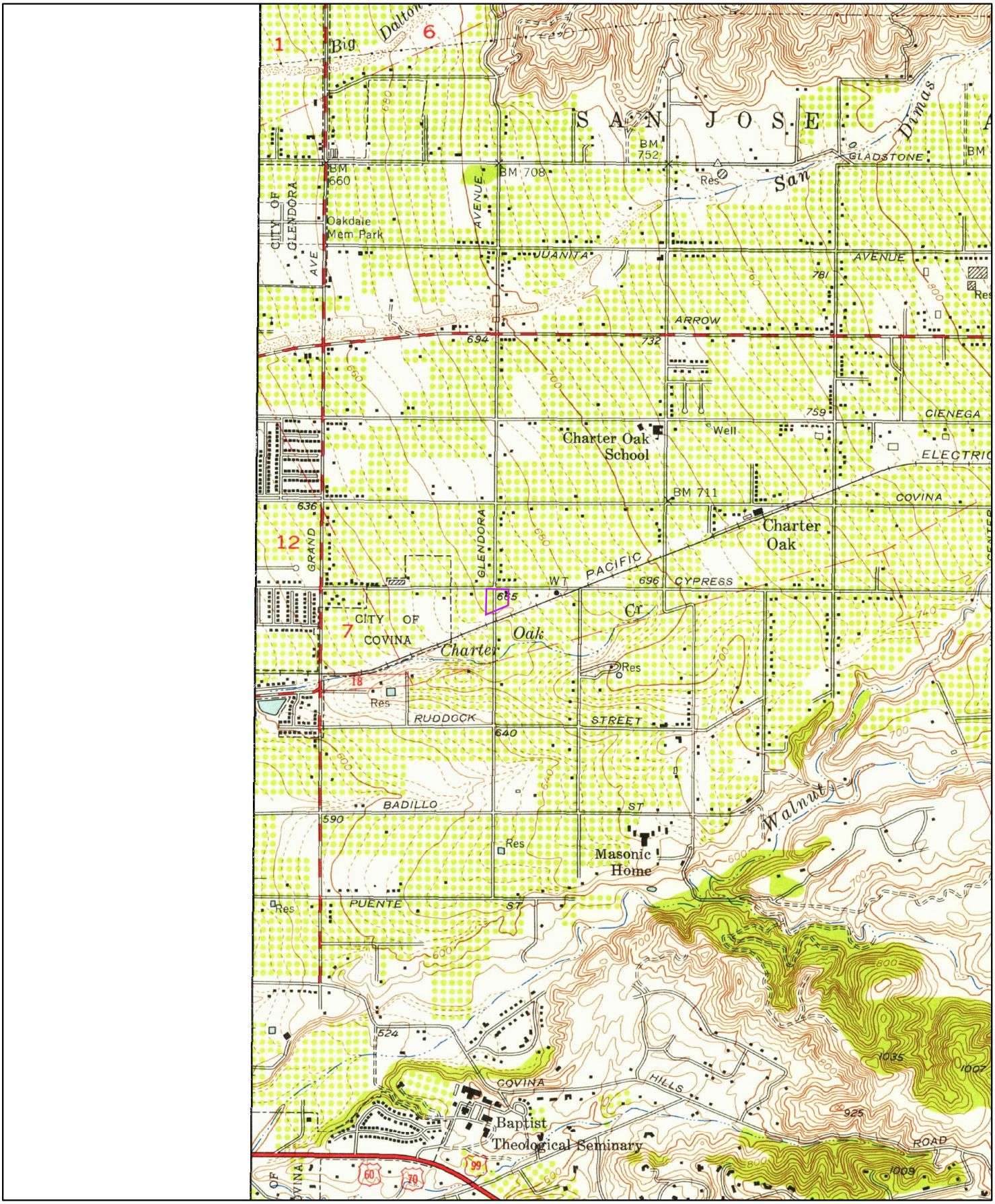
0 0.2 0.4 0.8 Miles

Order No. 21052501639

Quadrangle(s): San Dimas,CA

Source: USGS 7.5 Minute Topographic Map

ERIS



1954

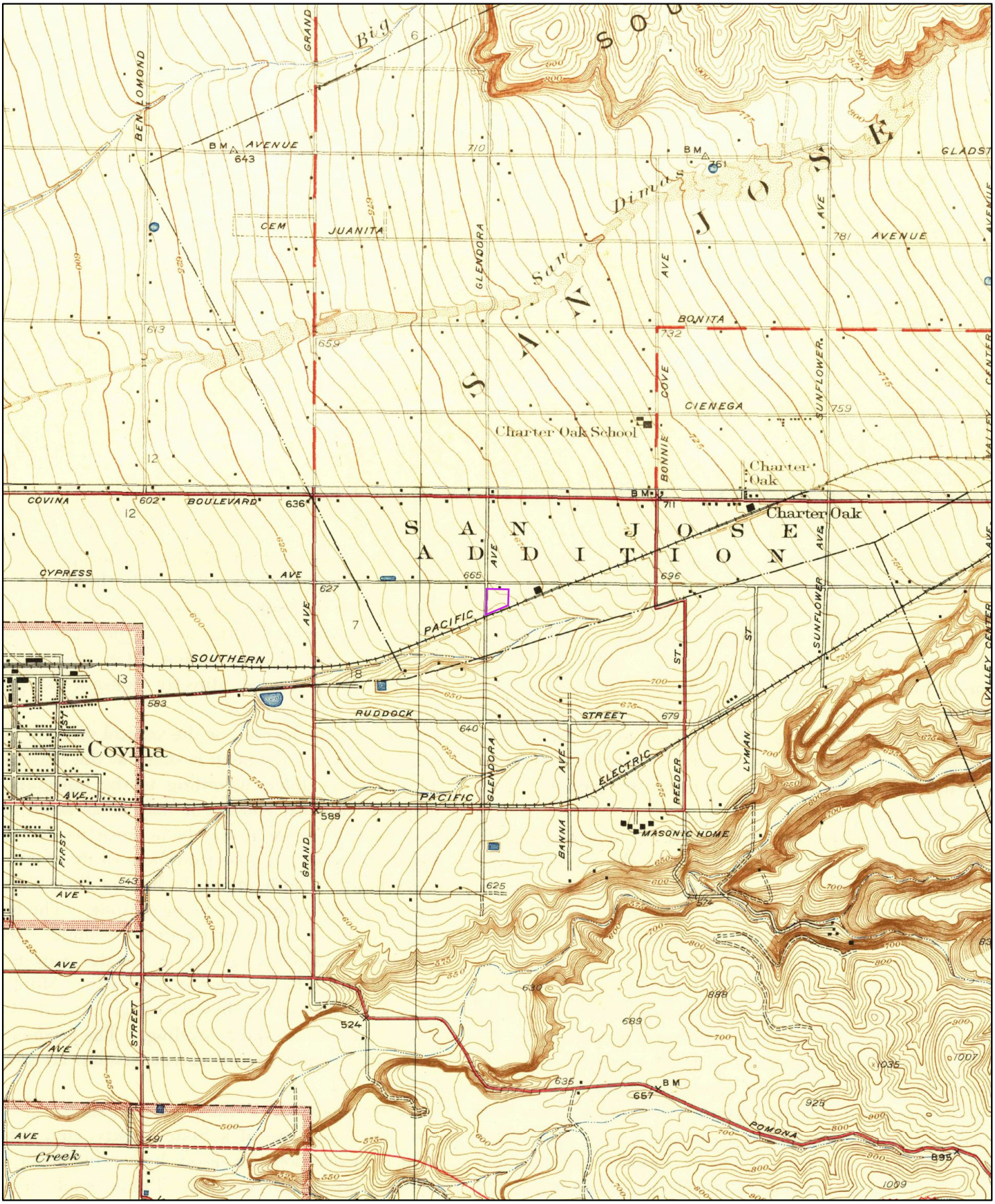
0 0.2 0.4 0.8 Miles

Order No. 21052501639

Quadrangle(s): San Dimas,CA

Source: USGS 7.5 Minute Topographic Map

ERIS



1927

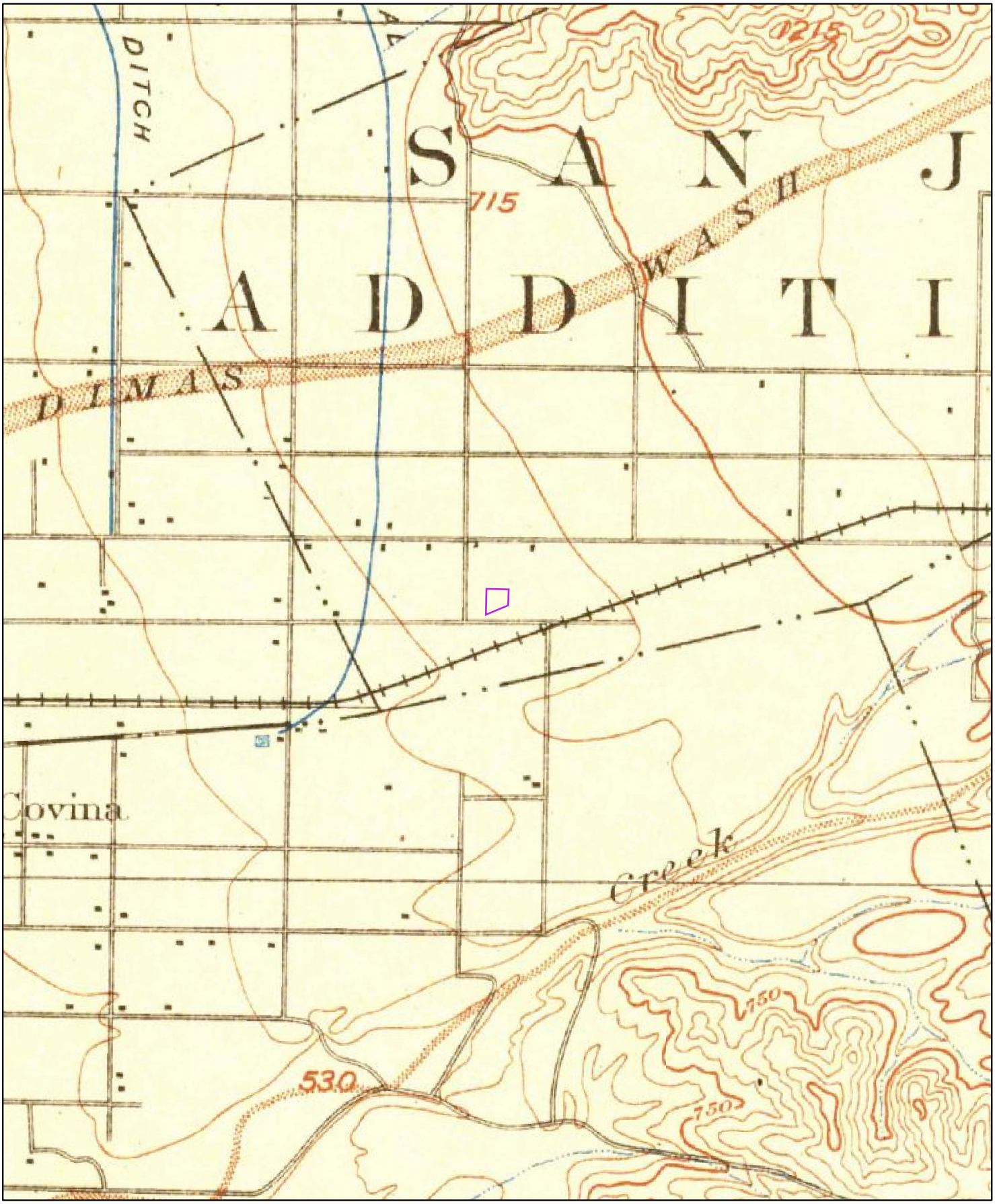
0 0.2 0.4 0.8 Miles

Order No. 21052501639

Quadrangle(s): Covina,CA

Source: USGS 7.5 Minute Topographic Map

ERIS



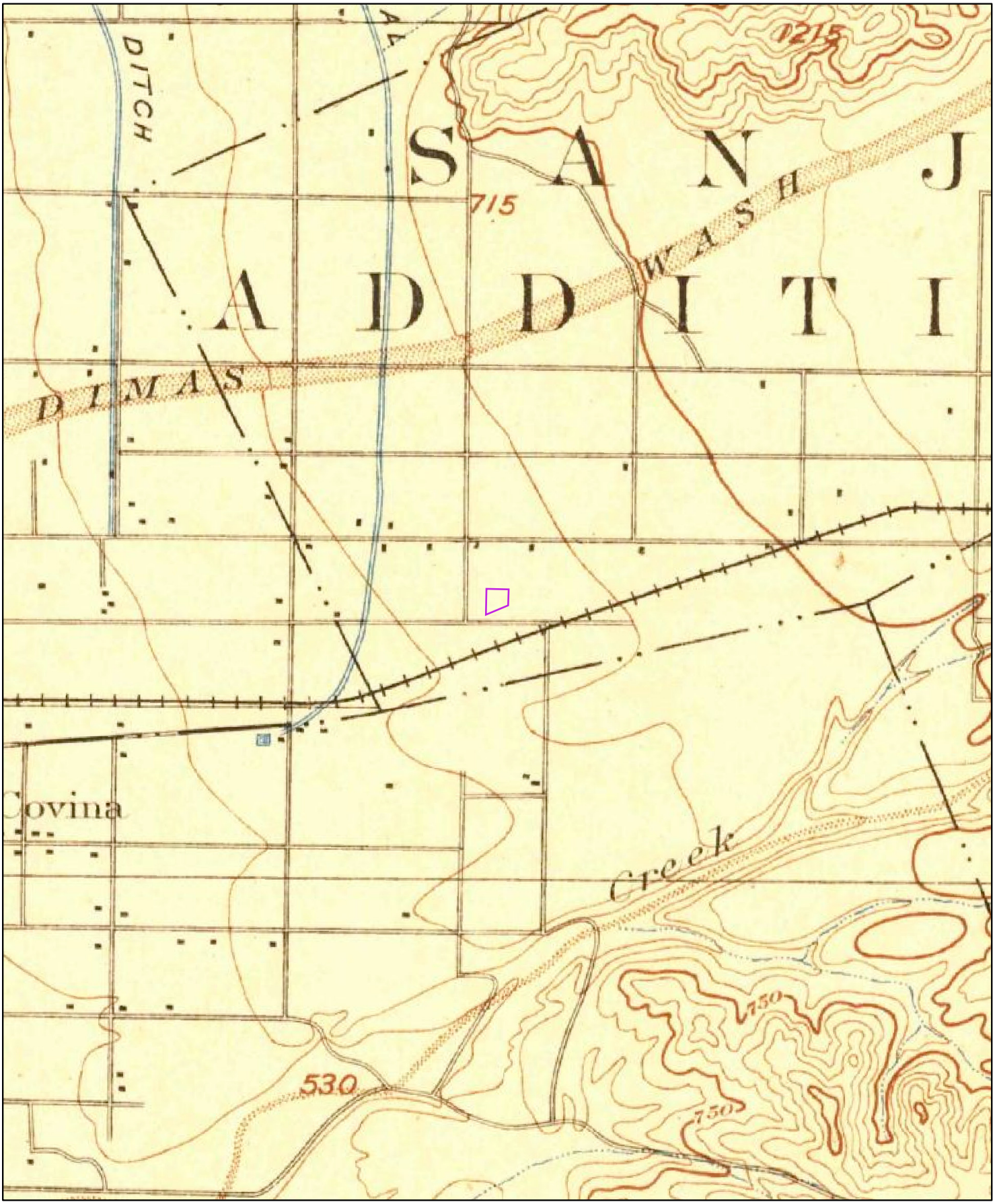
1904

0 0.2 0.4 0.8 Miles

Order No. 21052501639

Quadrangle(s): Pomona,CA

Source: USGS 15 Minute Topographic Map



1898

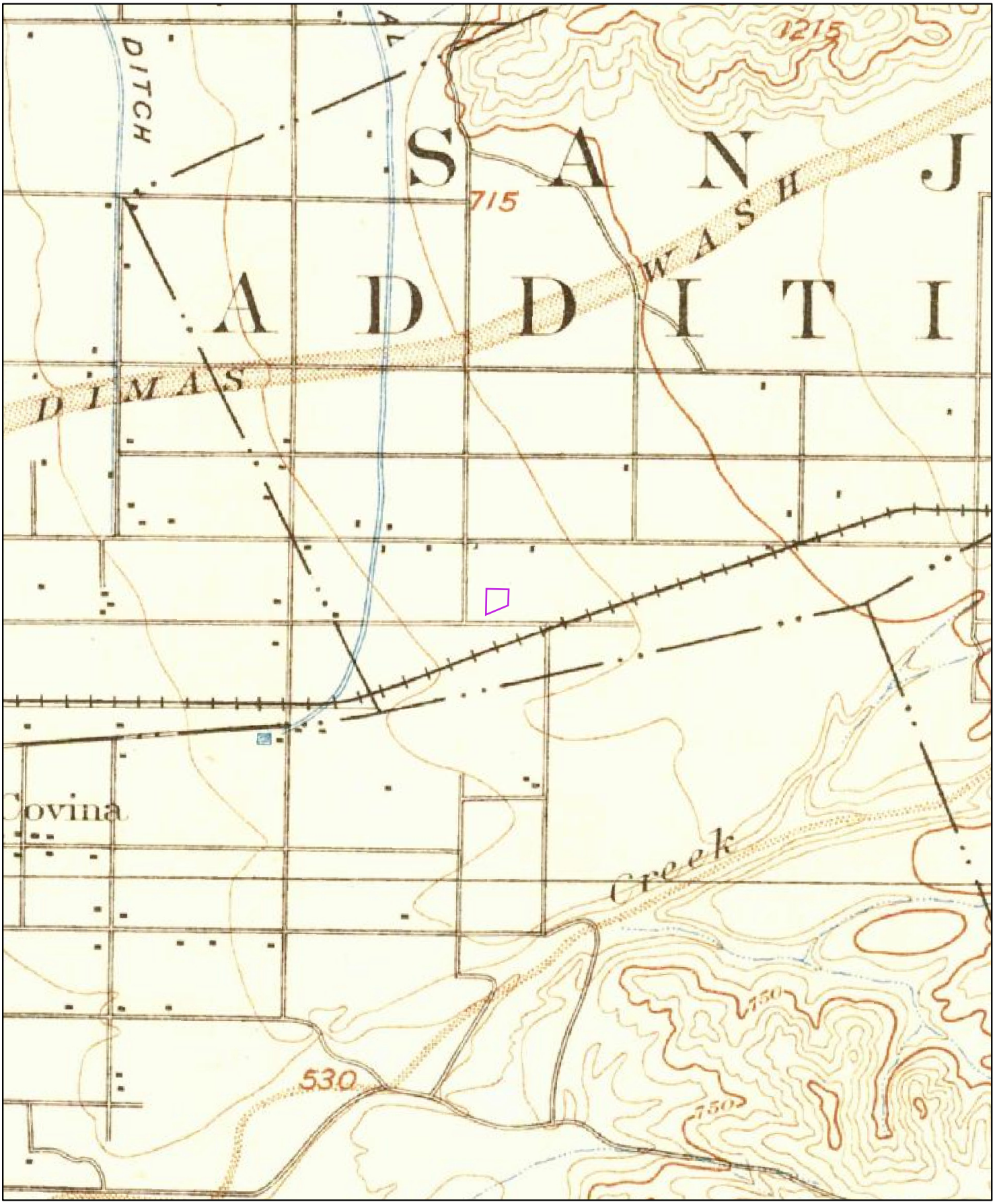
0 0.2 0.4 0.8 Miles

Order No. 21052501639

Quadrangle(s): Pomona,CA

Source: USGS 15 Minute Topographic Map

ERIS



1897

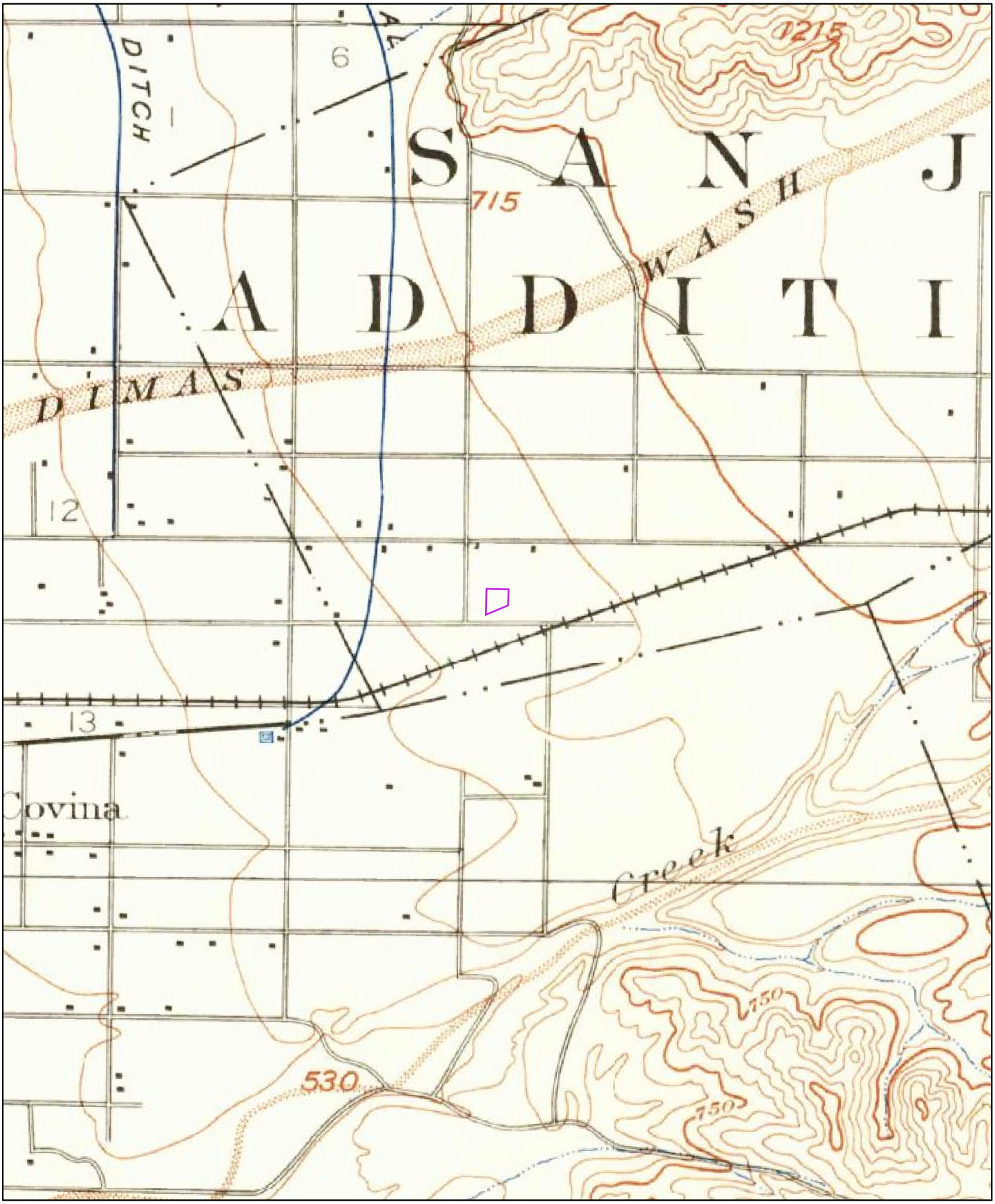
0 0.2 0.4 0.8 Miles

Order No. 21052501639

Quadrangle(s): Pomona,CA

Source: USGS 15 Minute Topographic Map

ERIS



1894

0 0.2 0.4 0.8 Miles

Order No. 21052501639

Quadrangle(s): Pomona,CA

Source: USGS 15 Minute Topographic Map

Fire Insurance Maps

FIRE INSURANCE MAPS

Project Property:	PS - Covina, CA 1330 Cypress Street Covina CA 91724
Project No:	25021-021079.00
Requested By:	Apex Companies, LLC
Order No:	21052501639
Date Completed:	May 26, 2021

Please note that no information was found for your site or adjacent properties.

Environmental Risk Information Services
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City Directories

CITY DIRECTORY

Project Property:	*PS - Covina, CA* *1330 Cypress Street* *Covina, CA 91724*
Project No:	*25021-021079.00*
Requested By:	*Apex Companies, LLC*
Order No:	*21052501639*
Date Completed:	*May 28, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

May 28, 2021
RE: CITY DIRECTORY RESEARCH
PS - Covina, CA
1330 Cypress Street Covina, CA

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:

1250-1450 of E Cypress Street
800-875 of Glendora Avenue

Search Results Summary

Date	Source	Comment
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2006	HAINES	
2000-2001	HAINES	
1994-1995	HAINES	
1990-1991	HAINES	
1986	HAINES	
1979	HAINES	
1975	HAINES	
1971	GENERAL TELEPHONE OF CALIFORNIIA	
1966	GENERAL TELEPHONE OF CALIFORNIIA	
1962	GENERAL TELEPHONE OF CALIFORNIIA	
1950	PACIFIC DIRECTORY CO	
1931	PACIFIC	

1330 **EXCELITAS TECHNOLOGIES CORP**...*Electronic Equipment & Supplies-mfrs*
1330 **EXCELITAS TECHNOLOGIES CORP**...*Construction Companies*
1330 **EXCELITAS TECHNOLOGIES CORP**...*Federal Government Contractors*
1330 **EXCELITAS TECHNOLOGIES CORP**...*Radio Communication Equip & Systemswhls*
1370 **SUNNY COMPONENTS INC**...*Audio-visual Equipment & Supls (whls)*
1370 **SUNNY COMPONETS**...*Data Processing Software*
1376 **SPALIONE CARPET & LINOLEUM**...*Floor Laying Refinishing & Resurfacing*
1376 **TRUAX CO**...*Engineers-electrical*
1400 **CYPRESS AVE ANIMAL HOSPITAL**...*Veterinarians*
1400 **CYPRESS AVE ANIMAL HOSPITAL**...*Construction Companies*
1400 **CYPRESS AVE ANIMAL HOSPITAL**...*Animal Hospitals*
1400 **CYPRESS AVE ANIMAL HOSPITAL**...*Federal Government Contractors*
1414 **ELITE SPORTS APPAREL**...*Other Clothing Stores*
1416 **CERTIFIED TECHNICIAN**...*Plumbing Htg & Air-conditioning Contractors*
1420 **GENTECH COMPUTERS**...*Computers-wholesale*
1422 **ADVANTAGE CONSTRUCTION**...*Service Station Builders*
1426 **MR GEE'S BEAUTY SUPPLY**...*Cosmetics & Perfumes-retail*
1426 **MR GEE'S BEAUTY SUPPLY**...*Beauty Salons-equipment & Supls (whls)*

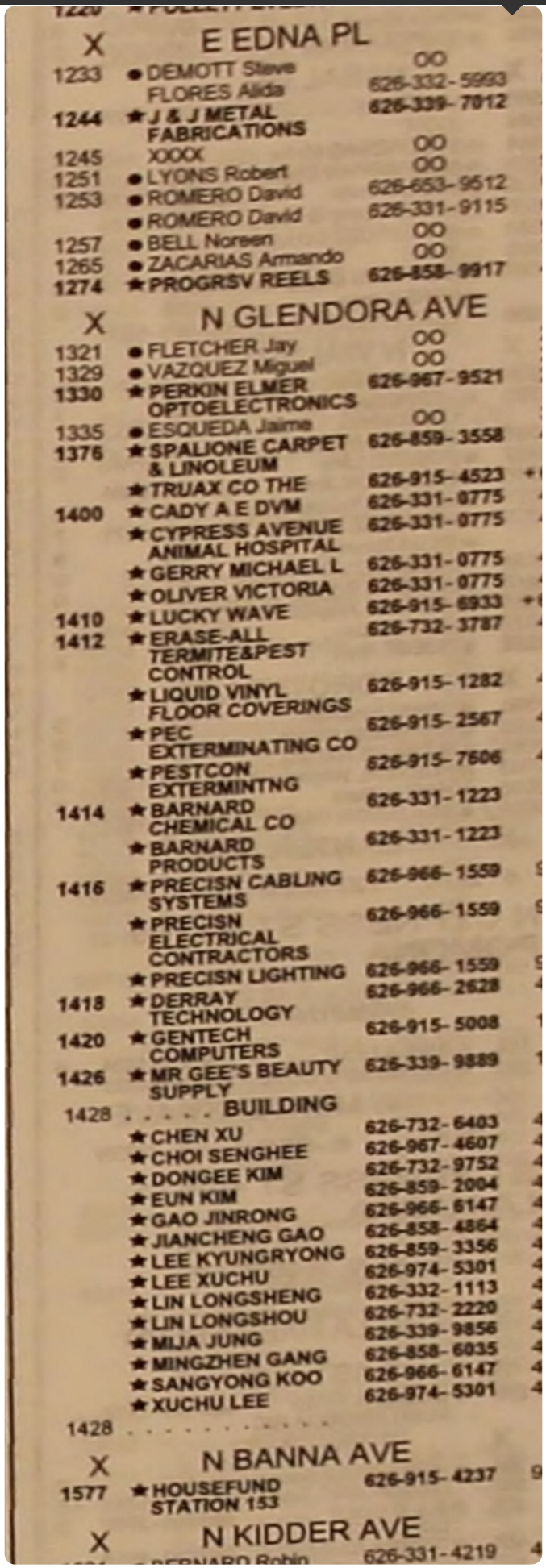
803 **AMERICAN WINDOW CO**...*Burglar Bars*
803 **AMERICAN WINDOW CO**...*Guards-door & Window*
803 **AMERICAN WINDOW CO**...*Glassauto Plate & Window & Etc*
803 **AMERICAN WINDOW CO**...*Window Replacement*
809 **GRAPHICS UNITED**...*Commercial Printing Nec (mfrs)*
810 **FIREBIRD LIQUORS**...*Convenience Stores*
818 **EL FINO LOUNGE**...*Cocktail Lounges*
818 **EL FINO LOUNGE**...*Billiard Parlors*
826 **DOMINO'S PIZZA**...*Foods-carry Out*
826 **DOMINO'S PIZZA**...*Pizza*
826 **DOMINO'S PIZZA**...*Cafes*
826 **DOMINO'S PIZZA**...*Hotels & Motels*
827 **SOARING USA**...*Printers (mfrs)*
827 **SOARING USA**...*Commercial Printing Nec (mfrs)*
830 **SPEEDY CLEANERS**...*Cleaners*
832 **SENOR BAJA**...*Restaurants*
836 **JAY'S MARKET**...*Convenience Stores*
837 **GLOBAL CONFERENCE ON DISASTER**...*Educational Service-business*
837 **OUR TRUCKING & TRACTOR SVC INC**...*Building Contractors*
837 **WILL CRUSHER CORP**...*Construction Management*
856 **COVINA AUTO REPAIR & SVC**...*Automobile Repairing & Service*

1274 **PROGRESSIVE REELS**...*Picture Frames-mfrs Supplies (whls)*
1330 **EXCELITAS TECHNOLOGIES CORP**...*Electronic Equipment & Supplies-mfrs*
1330 **EXCELITAS TECHNOLOGIES CORP**...*Federal Government Contractors*
1370 **SUNNY COMPONENTS INC**...*Audio-visual Equipment & Supls (whls)*
1376 **SPALIONE CARPET & LINOLEUM**...*Floor Laying Refinishing & Resurfacing*
1376 **TRUAX CO**...*Engineers-electrical*
1400 **CYPRESS AVE ANIMAL HOSPITAL**...*Animal Hospitals*
1400 **CYPRESS AVE ANIMAL HOSPITAL**...*Federal Government Contractors*
1410 **CALIFORNIA PALMS**...*Tents-retail*
1414 **ELITE SPORTS APPAREL**...*Other Clothing Stores*
1416 **CERTIFIED TECHNICIAN**...*Plumbing Htg & Air-conditioning Contractors*
1420 **GENTECH COMPUTERS**...*Computers-wholesale*
1422 **ADVANTAGE CONSTRUCTION**...*Service Station Builders*
1422 **BARNARD PRODUCTS INC**...*All Other Specialty Trade Contractors*
1426 **MR GEE'S BEAUTY SUPPLY**...*Cosmetics & Perfumes-retail*
1428 **JIANCHENG GAO**...*Nonclassified Establishments*

803 **AMERICAN WINDOW CO**...*Window Replacement*
809 **GRAPHICS UNITED**...*Lithographers (mfrs)*
809 **GRAPHICS UNITED**...*Commercial Printing Nec (mfrs)*
809 **GRAPHICS UNITED**...*Commercial Printing Nec (mfrs)*
810 **FIREBIRD LIQUORS**...*Convenience Stores*
818 **EL FINO LOUNGE**...*Cocktail Lounges*
818 **FLAVR LOUNGE**...*Restaurants*
818 **FLAVR LOUNGE**...*Bars*
826 **DOMINO'S PIZZA**...*Pizza*
826 **DOMINO'S PIZZA**...*Foods-carry Out*
827 **SOARING USA**...*Printers (mfrs)*
830 **SPEEDY CLEANERS**...*Cleaners*
832 **SENOR BAJA**...*Restaurants*
836 **JAY'S MARKET**...*Convenience Stores*
837 **GLOBAL CONFERENCE ON DISASTER**...*Educational Service-business*
837 **GLOBAL CONFERENCE ON DISASTER**...*Educational Service-business*
837 **OUR TRUCKING & TRACTOR SVC INC**...*Building Contractors*
837 **WILL CRUSHER CORP**...*Construction Management*
856 **COVINA AUTO REPAIR & SVC**...*Automobile Repairing & Service*

1330 **PERKIN ELMER OPTOELECTRONICS**...*Electronic Equipment & Supplies-mfrs*
1376 **SPALIONE CARPET & LINOLEUM**...*Floor Laying Refinishing & Resurfacing*
1376 **TRUAX CO**...*Engineers-electrical*
1400 **CYPRESS AVE ANIMAL HOSPITAL**...*Animal Hospitals*
1410 **CALIFORNIA PALMS**...*Tents-retail*
1412 **PESTCON EXTERMINATING**...*Pest Control*
1420 **GENTECH COMPUTERS**...*Computers-wholesale*
1426 **MR GEE'S BEAUTY SUPPLY**...*Cosmetics & Perfumes-retail*
1428 **JIANCHENG GAO**...*Nonclassified Establishments*

803 **AMERICAN WINDOW CO**...*Windows*
809 **GRAPHICS UNITED**...*Lithographers (mfrs)*
810 **FIREBIRD LIQUORS**...*Convenience Stores*
818 **FLAVR LOUNGE**...*Restaurants*
826 **DOMINO'S PIZZA**...*Pizza*
827 **SOARING USA**...*Printers (mfrs)*
830 **SPEEDY CLEANERS**...*Cleaners*
832 **EL TACO NAZO**...*Restaurants*
836 **JAY'S MARKET**...*Food Markets*
837 **OUR TRUCKING & TRACTOR SVC INC**...*Building Contractors*
856 **COVINA AUTO REPAIR & SVC**...*Automobile Repairing & Service*



X E EDNA PL

1233	● DEMOTT Steve	OO
	FLORES Alida	626-332-5993
1244	★ J & J METAL FABRICATIONS	626-339-7912
1245	XXXX	OO
1251	● LYONS Robert	OO
1253	● ROMERO David	626-653-9612
	● ROMERO David	626-331-9115
1257	● BELL Noreen	OO
1265	● ZACARIAS Armando	OO
1274	★ PROGRSV REELS	626-858-9917

X N GLENDORA AVE

1321	● FLETCHER Jay	OO
1329	● VAZQUEZ Miguel	OO
1330	★ PERKIN ELMER OPTOELECTRONICS	626-967-9521
1335	● ESQUEDA Jaime	OO
1376	★ SPALIONE CARPET & LINOLEUM	626-859-3558
	★ TRUAX CO THE	626-915-4523
1400	★ CADY A E DVM	626-331-0775
	★ CYPRESS AVENUE ANIMAL HOSPITAL	626-331-0775
	★ GERRY MICHAEL L	626-331-0775
	★ OLIVER VICTORIA	626-331-0775
1410	★ LUCKY WAVE	626-915-6933
1412	★ ERASE-ALL TERMITE&PEST CONTROL	626-732-3787
	★ LIQUID VINYL FLOOR COVERINGS	626-915-1282
	★ PEC EXTERMINATING CO	626-915-2567
	★ PESTCON EXTERMINTNG	626-915-7606
1414	★ BARNARD CHEMICAL CO	626-331-1223
	★ BARNARD PRODUCTS	626-331-1223
1416	★ PRECISN CABLING SYSTEMS	626-966-1559
	★ PRECISN ELECTRICAL CONTRACTORS	626-966-1559
	★ PRECISN LIGHTING	626-966-1559
1418	★ DERRAY TECHNOLOGY	626-966-2628
1420	★ GENTECH COMPUTERS	626-915-5008
1426	★ MR GEE'S BEAUTY SUPPLY	626-339-9889
1428	BUILDING	
	★ CHEN XU	626-732-6403
	★ CHOI SENGHEE	626-967-4607
	★ DONGEE KIM	626-732-9752
	★ EUN KIM	626-859-2004
	★ GAO JINRONG	626-966-6147
	★ JIANCHENG GAO	626-858-4864
	★ LEE KYUNGRYONG	626-859-3356
	★ LEE XUCHU	626-974-5301
	★ LIN LONGSHENG	626-332-1113
	★ LIN LONGSHOU	626-732-2220
	★ MIJA JUNG	626-339-9856
	★ MINGZHEN GANG	626-858-6035
	★ SANGYONG KOO	626-966-6147
	★ XUCHU LEE	626-974-5301
1428		

X N BANNA AVE

1577	★ HOUSEFUND STATION 153	626-915-4237

X N KIDDER AVE

	BERNARD Robin	626-331-4219

780	● EVANS John	OO
	MACHUCA Karina	626-339-6634
782	● GUTIERREZ Edna	OO
805	XXXX	OO
809	★ SOARING USA	626-967-6660
810	★ FIREBIRD LIQUORS	626-332-7821
818	★ DECADES DINER	626-332-6352
827	★ GRAPHICS UNITED	626-967-5862
830	★ SPEEDY CLEANERS NO 2	626-966-5511
832	★ ELTACO NAZO	626-332-0373
836	★ JAY'S MARKET	626-967-4023
837	★ WEBER-MILLBROOK BAKERY	626-967-4527
856	★ COVINA AUTO REPAIR & SERVICE	626-974-8800

X E CYPRESS ST

902	● OROSCO Sandra	626-331-8075
905	● ORELLANA Carlota	OO
910	● TUBA Jacquelyn	OO
915	● MARSHALL Glenda	OO
	CASTILLO Rodolfo	OO

1244	XXXX	OO
1245	SEYMOUR Arthur	626-339-9677
1250	XXXX	OO
1251	●LYONS Robert	OO
1253	●ROMERO David	OO
1254	XXXX	OO
1257	●BELL Noreen	OO
1265	●ZACARIAS Armando	OO
1274	★ CUSTOM STAMPING&MFG	626-967-4291
1321	XXXX	OO
1329	DEFORGE Robt W	626-331-8841
1330	★ E G G POWER SYSTEMS	626-967-9521
1335	●MONTELONGO Lupe	OO
1370	★ ADVANTAGE CONSTRUCTION&MNTC	626-331-5897
	★ CLASSIC WOOD WORKS	626-331-0540
	★ CORONA VISTA CONSTR	626-915-0870
	●MERCHANT Sunil	OO
1376	★ R E AIRE	626-962-5578
	★ SECOND IMAGE	909-592-0670
	★ SPALIONE CARPET&LINOLEUM	626-859-3556
1400	★ ANIMAL HOSPITAL OF THE VALLEY	626-331-0775
	★ CADY A E DVM	626-331-0775
	★ GERRY MICHAEL L DVM	626-331-0775
	★ OLIVER VICTORIA DVM	626-331-0775
1410	●CHAN Sin	OO
1412	XXXX	OO
1414	★ BARNARD PRODUCTS	626-331-1223
1416	★ PRECISN CABLING SYSTEMS	626-966-1559
	★ PRECISN ELECTRICAL CONTRACTORS	626-966-1559
	★ PRECISN LIGHTING	626-966-1559
1418	★ DERRAY TECHNOLOGY	626-966-2628
	★ MOSSMAN PACIFIC INC	626-331-0413
1420	XXXX	OO
1422	★ HOLAN ENTERPRISE USA INC	626-915-2960
1424	XXXX	OO
1426	★ MAYFLWR INTERNATIONAL	626-966-8764
1577	★ HOUSEFUND STATION 153	626-915-4237
1601C	MOLINE Steve	626-967-1541
1605	XXXX	OO

778	●ENCINIAS Julian	OO
780	●NGUYEN Ann	OO
782	●MANN Salley	OO
803	★ R&R IDENTIFICATN CO	626-915-2241
805	XXXX	OO
809	★ COATER INC THE	626-967-6660
810	★ FIREBIRD LIQUORS	626-332-7821
817	XXXX	OO
818	●MCCONAUGHY Gregory	OO
	★ SANDORS PLACE	626-339-6553



GLENDORA AV N 91724 CO

821 ★H&T DRAPERY SERVICE 626-339-4311
825 ★DOMINOS PIZZA 625-331-9911
827 ★GRAPHICS UNITED 626-967-5962
830 ★SPEEDWAY CLEANERS 626-966-5511
2
832 ★LAPALOMA 626-966-8907
836 ★JAYS MARKET 626-967-4023
837 ●DUNAGAN Tad 00
★WEBER MILLBROOK 626-967-4827

X CYPRESS E

902 ●OROSCO Carlos 00
905 ●SANGALANG Ron 626-339-4775
910 ●TUBA Jacquelyn 00

1238 XXXX 00
1244 XXXX 00
1245 ●SEYMOUR Arthur 339-9677
1250 XXXX 00
1251 XXXX 00
1253 ●DIAZ Pedro 00
1254 XXXX 00
1257 ●BELL George 00
1265 ●GERLACH Walter 00
1274 ★CUSTOM STAMPING&MFG 967-4291
1321 ECKER Mary 339-1688
1329 ●DEFORGE Robt W 331-8841
1330 ★E G G POWER SYSTEMS 967-9521 +4
1335 ●MULLER Margaret 00
1370 ★AIRE R E 962-5578 1
★ECONOMY PROCESSR SV 331-5778 +4
★R E AIRE 962-5578 1
1376 ★CREST PEST SVS INC 332-1179 +4
★CRESTVIEW PEST 332-5219 +4
★CRESTVIEW PST CNTRL 592-2844 3
★SECOND IMAGE 915-4160 1
★SECOND IMAGE 592-0670 1
1400 ★CYPRESS AVE ANIMAL 331-0775
★GERRY MICHAEL L DVM 331-0775
★SAIN ELIZABETH DVM 331-0775 0
★WANG SANDRA S DVM 331-0775 1
1412 ALDANA Ruben 915-6160 3
1414 ★BARNARD PRODUCTS 331-1223 3
1416 ★FREE EXPRSS TCKT SV 915-3733 +4
★GLORY HSE PBLSHNG 339-8955 +4
1418 ★BARNARD PRODUCT INC 331-1223
★MOSSMAN PACIFIC INC 331-0413 6
1420 XXXX 00
1422 ★PECENTA INC 332-3299 +4
1424 ★CREATIVE TEES 331-6263 +4
1426 ★ARTER NEON SIGN CO 858-0902 +4
★FUTURE PACKAGING 966-1955
1428 ★E C S CONSTRUCTION 966-7505
1601 XXXX 00
1629 DOMINGUEZ Leonardo 339-0936
1631 XXXX 00

1994-1995 — *SOURCE: HAINES* — **GLENDORA AVENUE**

780	GRIFFIN Carrie	331-5582 +4
782	XXXX	00
803	★IDENTISYSTEMS	915-2241 3
	★R&R IDENTIFICATN CO	915-2241
	★R&R PRODUCTS	915-2241 3
805	XXXX	00
809	XXXX	00
810	★FIREBIRD LIQUORS	332-7821
817	★A B C ACTION BKKPG	966-8351
	★ACTION BOOKKEEPING	966-8351
	★HATHAWAY TOM EA	966-8351
	★M H C	966-8351
	★M H C INC	966-8351
	★MATTESON L J JR	966-8351
818	★CHAT&CHOO	332-4578 +
821	★H&T DRAPERY SERVICE	339-4311
825	★LOTHRINGER ENGRG	915-2212
826	★DOMINOS PIZZA	331-9911
827	★GRAPHICS UNITED	967-5862
828	★SELECT VIDEO	966-2246
830	★SPEEDWAY CLEANERS 2	966-5511
832	★LAPALOMA	966-8907
836	★JAYS MARKET	967-4023
837	★WEBER MILLBRK BAKER	967-4527
856	★GLENDRA&CYPRSS 76	966-0987
902	●OROSCO Carlos	00
905	●KING Otis	00
915	●GIBSON Marvin	00
	SPELLMAN Edmond	967-5820 +
918	●MARTIN Larry	00

1990-1991 — *SOURCE: HAINES* — **E CYPRESS STREET**

1238	XXXX	00
1244	XXXX	00
1245	SEYMOUR Arthur	339-9677 2
1250	XXXX	00
1251	BLANCHARD Juel	332-2935 +0
1254	XXXX	00
1274	★CUSTOM STAMPING&MFG	967-4291
1321	ECKER Mary	339-1688 2
1329	DEFORGE Robt W	331-8841 2
1330	★ALMOND INSTRUMENTS	967-9521
	★E G &G ALMOND	967-9521 9
1370	XXXX	00
1378	★ELITE RENOVATION	331-6471 8
1400	★CYPRESS ANML HOSP	331-0775
	★GERRY MICHAEL L DVM	331-0775
	★SAIN ELIZABETH DVM	331-0775 +0
1416	★TEAM SPIRIT UNIFORM	331-1517 8
1418	★BARNARD PRODUCT INC	331-1223
	★BARNARD PRODUCTS	331-1223
	★COMPUTER TALK	331-0413
	★MOSSMAN PACIFIC INC	331-0413
1420	★MARTIN INSTALLATION	595-6561
1422	★E C S CONSTR CO	966-7505
1424	XXXX	00
1426	XXXX	00
1601	ADDICOTT R	339-5245 +
	OWEN Chas R	339-8630
	QARALLEH Khaled	331-7067 +
1603	STROTHER R	331-3058

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1990-1991
SOURCE: HAINES

GLENDORA AVENUE

770	XXXX	00
778	XXXX	00
782	XXXX	00
803	★COVINA HEAD&MOTOR	331-0897
805	★IMPORT ENGINE WHSL	967-4851
809	★COVINA FLOOR COVRGS	966-7495
810	★FIREBIRD LIQUORS	332-7821
817	★A B C ACTION BKKPG	966-8351
	★HATHAWAY TOM	966-8351
	★HUGHES THOMAS A	966-8351
	★M H C	966-8351
	★MATTESON L J JR	966-8351
818	★BACK STREET CAFE	339-4548
821	★H&T DRAPERY SERVICE	339-4311
825	★LOTHRINGER ENGRG	915-2212
826	★DOMINOS PIZZA	331-9911
827	★GRAPHICS UNITED	967-5862
828	★SELECT VIDEO	967-3306
830	★SPEEDWAY CLEANERS 2	966-5511
832	★LITTLE SOMBRERO THE	966-6268
836	XXXX	00
837	★WEBER MILLBRK BAKER	967-4527
856	★GLENDRA&CYPRSS 76	966-0987
902	XXXX	00
915	GIBSON Marvin	331-8391

1986
SOURCE: HAINES

E CYPRESS STREET

1238	XXXX	00
1244	XXXX	00
1245	SEYMOUR ARTHUR	339-9677
1250	XXXX	00
1254	XXXX	00
1274	★CUSTOM STAMPING&MFG	967-4291
1321	ARMSTRONG THOS	331-5264
	ECKER MARY	339-1688
1329	DEFORGE ROBT W	331-8841
1330	★ALMOND INSTRUMENTS	967-9521
1335	MULLER LARRY	331-6731
1370	HURLEY THOS B JR	332-3928
1400	★AYRES STEPHEN C DVM	331-0775
	★CYPRESS AV AN HOS	331-0775
	★GERRY MICHAEL L DVM	331-0775
1416	★WILEY WEBSTER BLDR	967-0631
1418	★BARNARD CHEMICAL CO	331-1223
	★COMPUTER TALK	331-0413
	★MOSSMAN PACIFIC INC	331-0413
	★POLY WEST INC	339-7734
1422	★TEAM SPIRIT UNIFORM	331-1517
1424	★HOT TIPS	966-0949
1603	SKUTVIK L	967-6113
	TINGUE CONSUELO	331-7783
1605	BARRIOS VICTOR	966-1160
	CROWELL DANA	339-9759
	CROWELL DENISE	339-9759

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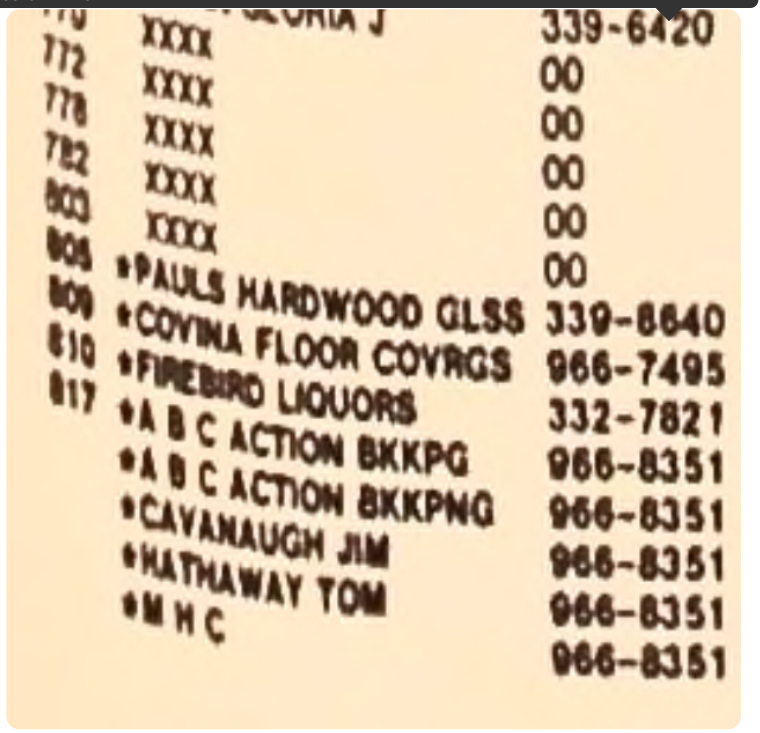

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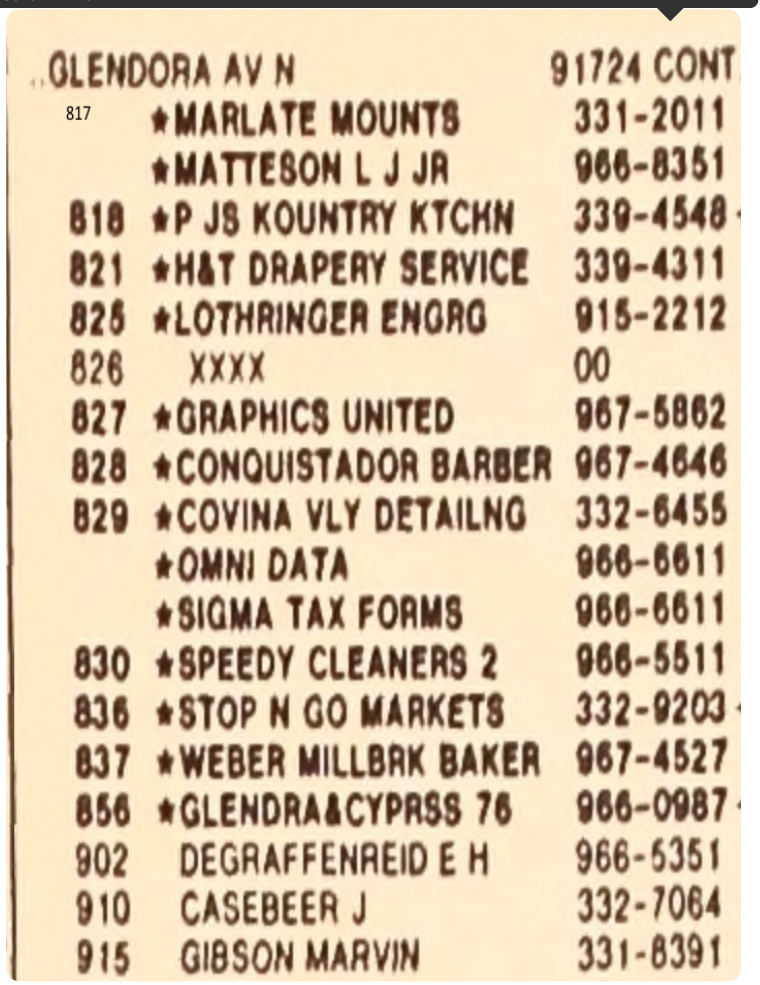
772	XXXX	00
778	XXXX	00
782	XXXX	00
803	XXXX	00
805	*PAULS HARDWOOD GLSS	339-8640
809	*COVINA FLOOR COVRGS	966-7495
810	*FIREBIRD LIQUORS	332-7821
817	*A B C ACTION BKKPG	966-8351
	*A B C ACTION BKKPNG	966-8351
	*CAVANAUGH JIM	966-8351
	*HATHAWAY TOM	966-8351
	*M H C	966-8351



..GLENDORA AV N		91724 CONT
817	*MARLATE MOUNTS	331-2011
	*MATTESON L J JR	966-8351
818	*P JS KOUNTRY KTCHN	339-4548
821	*H&T DRAPERY SERVICE	339-4311
825	*LOTHRINGER ENGRG	915-2212
826	XXXX	00
827	*GRAPHICS UNITED	967-5862
828	*CONQUISTADOR BARBER	967-4646
829	*COVINA VLY DETAILNG	332-6455
	*OMNI DATA	966-6611
	*SIGMA TAX FORMS	966-6611
830	*SPEEDY CLEANERS 2	966-5511
836	*STOP N GO MARKETS	332-9203
837	*WEBER MILLBRK BAKER	967-4527
856	*GLENDRA&CYPRSS 76	966-0987
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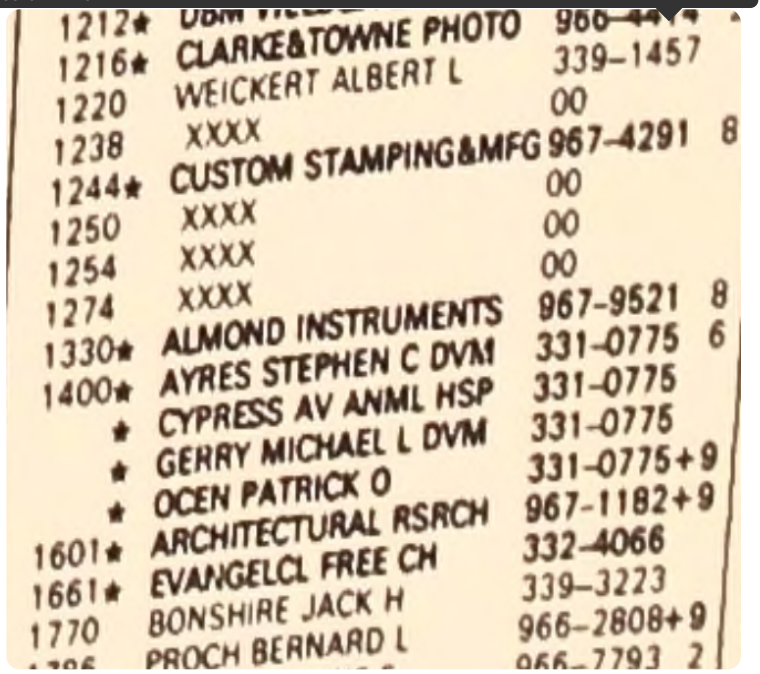
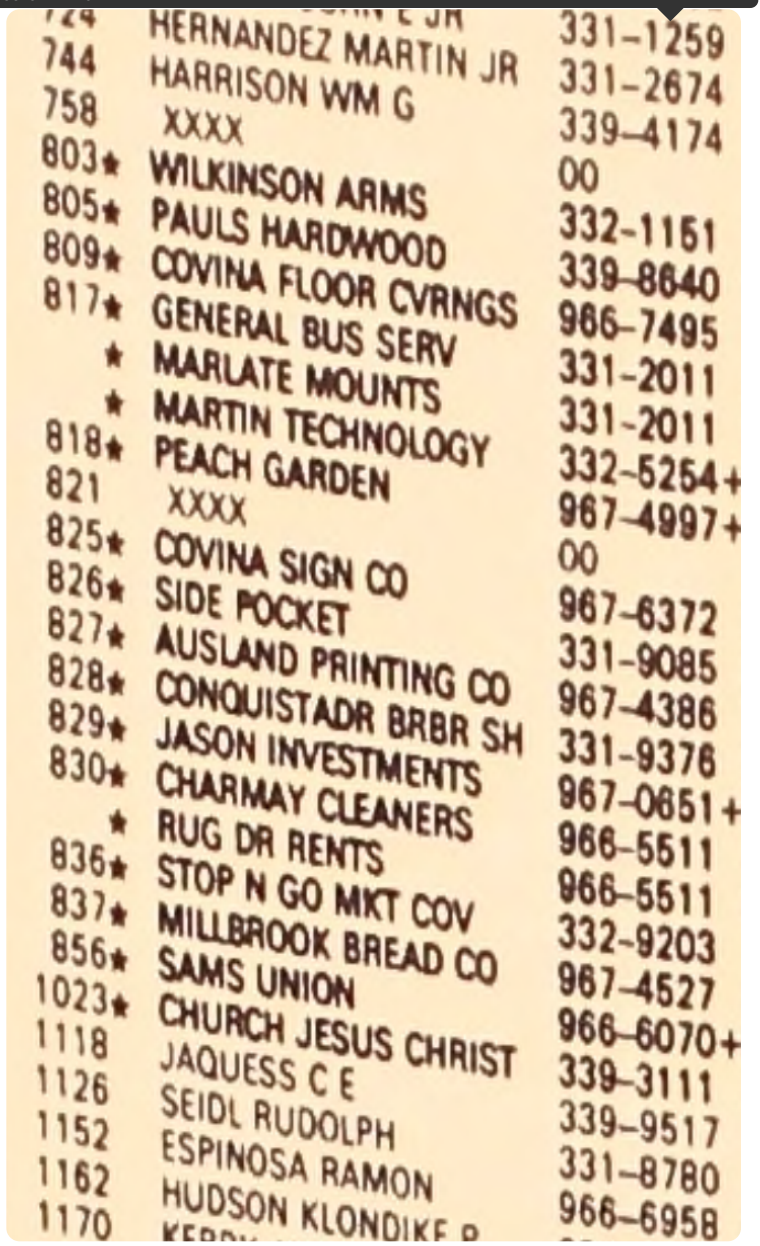
915	GIBSON MARVIN	331-8391



1212★	[illegible]	966-44[illegible]	
1216★	CLARKE&TOWNE PHOTO	339-1457	
1220	WEICKERT ALBERT L	00	
1238	XXXX	967-4291	8
1244★	CUSTOM STAMPING&MFG	00	
1250	XXXX	00	
1254	XXXX	00	
1274	XXXX	967-9521	8
1330★	ALMOND INSTRUMENTS	331-0775	6
1400★	AYRES STEPHEN C DVM	331-0775	
★	CYPRESS AV ANML HSP	331-0775	
★	GERRY MICHAEL L DVM	331-0775+9	
★	OCEN PATRICK O	967-1182+9	
1601★	ARCHITECTURAL RSRCH	332-4066	
1661★	EVANGELCL FREE CH	339-3223	
1770	BONSHIRE JACK H	966-2808+9	
[illegible]	PROCH BERNARD L	966-7793	2



[illegible]	HERNANDEZ MARTIN JR	331-1259
744	HARRISON WM G	331-2674
758	XXXX	339-4174
803★	WILKINSON ARMS	00
805★	PAULS HARDWOOD	332-1151
809★	COVINA FLOOR CVRNGS	339-8640
817★	GENERAL BUS SERV	966-7495
★	MARLATE MOUNTS	331-2011
★	MARTIN TECHNOLOGY	331-2011
818★	PEACH GARDEN	332-5254+
821	XXXX	967-4997+
825★	COVINA SIGN CO	00
826★	SIDE POCKET	967-6372
827★	AUSLAND PRINTING CO	331-9085
828★	CONQUISTADR BRBR SH	967-4386
829★	JASON INVESTMENTS	331-9376
830★	CHARMAY CLEANERS	967-0651+
★	RUG DR RENTS	966-5511
836★	STOP N GO MKT COV	966-5511
837★	MILLBROOK BREAD CO	332-9203
856★	SAMS UNION	967-4527
1023★	CHURCH JESUS CHRIST	966-6070+
1118	JAQUESS C E	339-3111
1126	SEIDL RUDOLPH	339-9517
1152	ESPINOSA RAMON	331-8780
1162	HUDSON KLONDIKE R	966-6958
1170	[illegible]	

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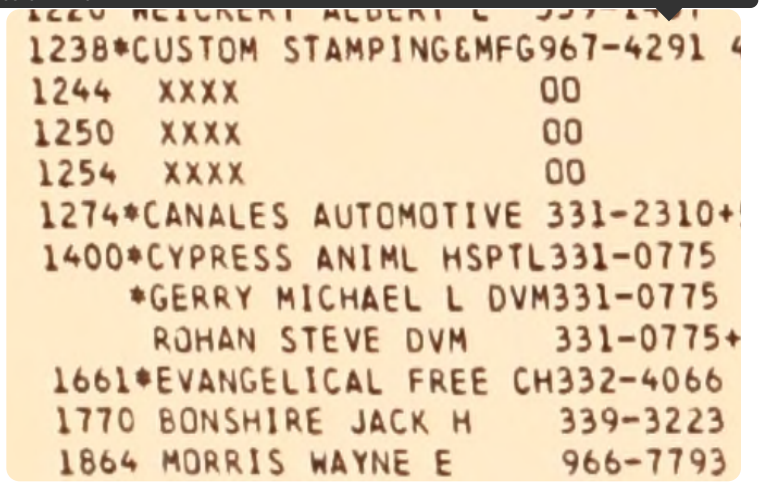
1975 — *SOURCE: HAINES* — **E CYPRESS STREET**



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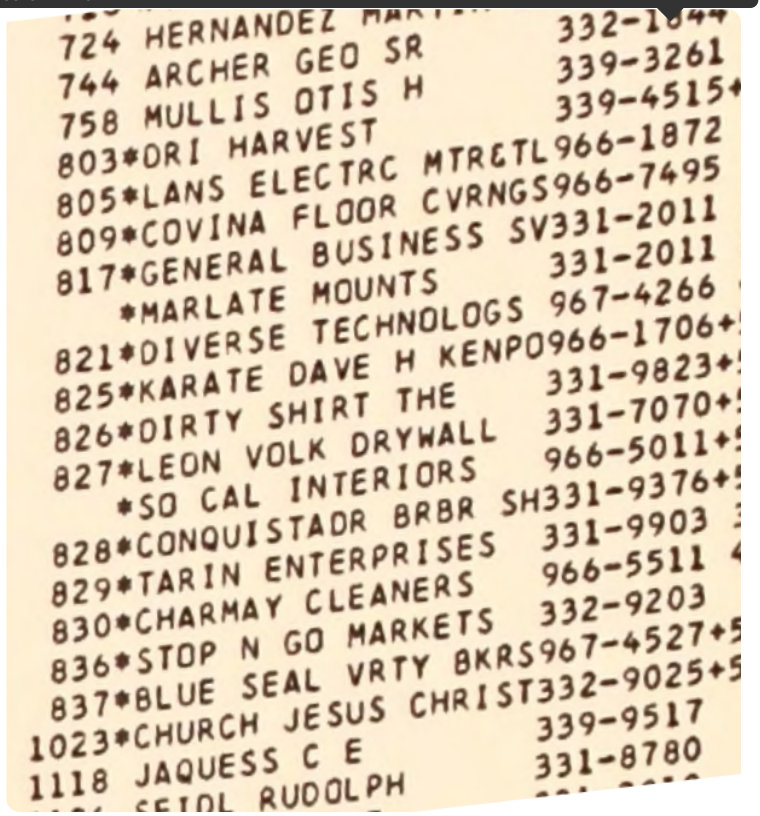
1238*CUSTOM STAMPING&MFG967-4291
1244   XXXX                  00
1250   XXXX                  00
1254   XXXX                  00
1274*CANALES AUTOMOTIVE 331-2310+
1400*CYPRESS ANIML HSPTL331-0775
    *GERRY MICHAEL L DVM331-0775
     ROHAN STEVE DVM    331-0775+
1661*EVANGELICAL FREE CH332-4066
1770 BONSHIRE JACK H    339-3223
1864 MORRIS WAYNE E     966-7793
```

1975 — *SOURCE: HAINES* — **GLENDORA AVENUE**



```
724 HERNANDEZ MAR          332-1044
744 ARCHER GEO SR          339-3261
758 MULLIS OTIS H          339-4515+
803*DRI HARVEST
805*LANS ELECTRC MTR&TL966-1872
809*COVINA FLOOR CVRNGS966-7495
817*GENERAL BUSINESS SV331-2011
   *MARLATE MOUNTS         331-2011
821*DIVERSE TECHNOLOGS 967-4266
825*KARATE DAVE H KENPO966-1706+
826*DIRTY SHIRT THE        331-9823+
827*LEON VOLK DRYWALL      331-7070+
   *SO CAL INTERIORS       966-5011+
828*CONQUISTADR BRBR SH331-9376+
829*TARIN ENTERPRISES      331-9903
830*CHARMAY CLEANERS       966-5511
836*STOP N GO MARKETS      332-9203
837*BLUE SEAL VRTY BKRS967-4527+
1023*CHURCH JESUS CHRIST332-9025+
1118 JAQUESS C E           339-9517
     SEIDL RUDOLPH         331-8780
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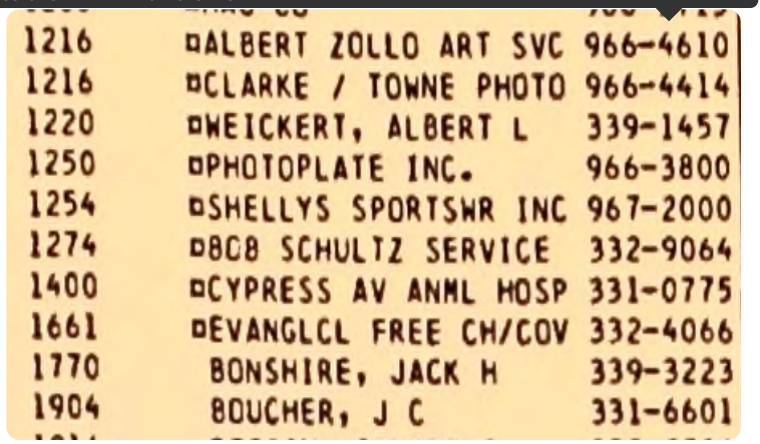
1971 — *SOURCE: GENERAL TELEPHONE OF CALIFORNIIA*

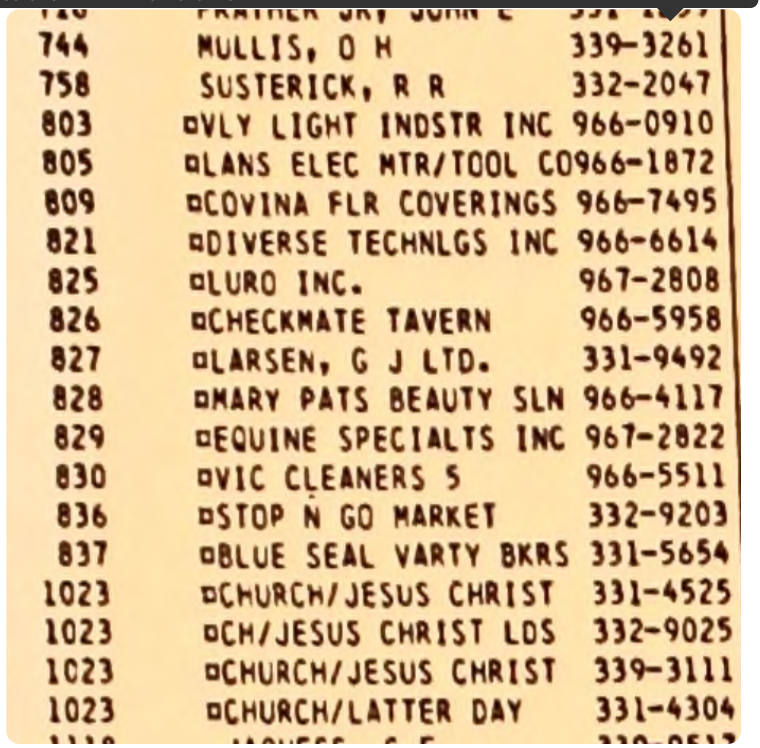
E CYPRESS STREET



1216	ALBERT ZOLLO ART SVC	966-4610
1216	CLARKE / TOWNE PHOTO	966-4414
1220	WEICKERT, ALBERT L	339-1457
1250	PHOTOPLATE INC.	966-3800
1254	SHELLYS SPORTSWR INC	967-2000
1274	BOB SCHULTZ SERVICE	332-9064
1400	CYPRESS AV ANML HOSP	331-0775
1661	EVANGLCL FREE CH/COV	332-4066
1770	BONSHIRE, JACK H	339-3223
1904	BOUCHER, J C	331-6601

1971 — *SOURCE: GENERAL TELEPHONE OF CALIFORNIIA*

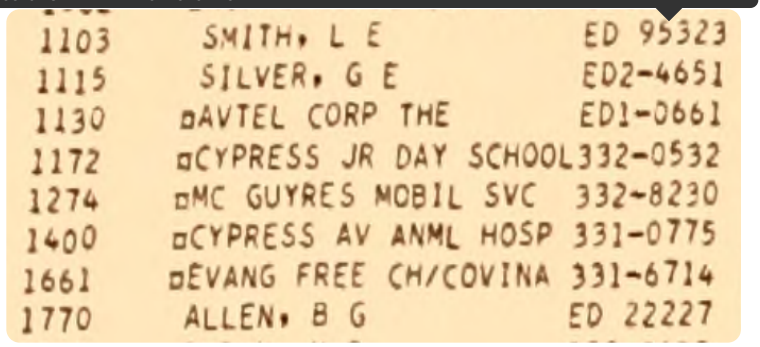
GLENDORA AVENUE



744	MULLIS, O H	339-3261
758	SUSTERICK, R R	332-2047
803	VLY LIGHT INDSTR INC	966-0910
805	LANS ELEC MTR/TOOL CO	966-1872
809	COVINA FLR COVERINGS	966-7495
821	DIVERSE TECHNLGS INC	966-6614
825	LURO INC.	967-2808
826	CHECKMATE TAVERN	966-5958
827	LARSEN, G J LTD.	331-9492
828	MARY PATS BEAUTY SLN	966-4117
829	EQUINE SPECIALTS INC	967-2822
830	VIC CLEANERS 5	966-5511
836	STOP N GO MARKET	332-9203
837	BLUE SEAL VARTY BKRS	331-5654
1023	CHURCH/JESUS CHRIST	331-4525
1023	CH/JESUS CHRIST LDS	332-9025
1023	CHURCH/JESUS CHRIST	339-3111
1023	CHURCH/LATTER DAY	331-4304

1966
SOURCE: GENERAL TELEPHONE OF CALIFORNIIA

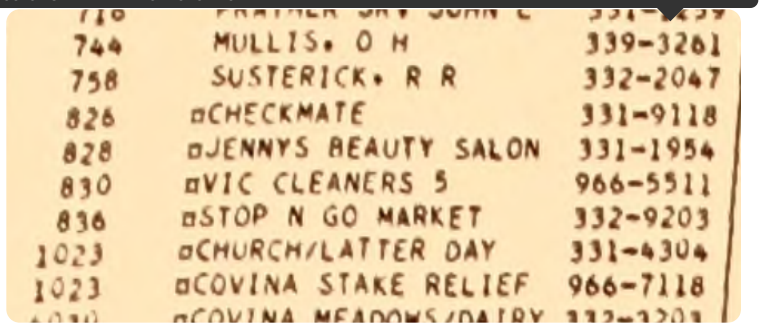
E CYPRESS STREET



1103	SMITH, L E	ED 95323
1115	SILVER, G E	ED2-4651
1130	▫AVTEL CORP THE	ED1-0661
1172	▫CYPRESS JR DAY SCHOOL	332-0532
1274	▫MC GUYRES MOBIL SVC	332-8230
1400	▫CYPRESS AV ANML HOSP	331-0775
1661	▫EVANG FREE CH/COVINA	331-6714
1770	ALLEN, B G	ED 22227

1966
SOURCE: GENERAL TELEPHONE OF CALIFORNIIA

GLENDORA AVENUE



744	MULLIS, O H	339-3261
758	SUSTERICK, R R	332-2047
826	▫CHECKMATE	331-9118
828	▫JENNYS BEAUTY SALON	331-1954
830	▫VIC CLEANERS 5	966-5511
836	▫STOP N GO MARKET	332-9203
1023	▫CHURCH/LATTER DAY	331-4304
1023	▫COVINA STAKE RELIEF	966-7118

1962
SOURCE: GENERAL TELEPHONE OF CALIFORNIIA

E CYPRESS STREET

NO LISTINGS IN RANGE

1962
SOURCE: GENERAL TELEPHONE OF CALIFORNIIA

GLENDORA AVENUE

NO LISTINGS IN RANGE

1950
SOURCE: PACIFIC DIRECTORY CO

E CYPRESS STREET

NO LISTINGS IN RANGE

1950
SOURCE: PACIFIC DIRECTORY CO

GLENDORA AVENUE

NO LISTINGS IN RANGE

1931
SOURCE: PACIFIC

E CYPRESS STREET

NO LISTINGS IN RANGE

1931
SOURCE: PACIFIC

GLENDORA AVENUE

NO LISTINGS IN RANGE

--- END REPORT ---

Recorded Land Title Documents

TICOR TITLE™

1500 Quail Street, 3rd Floor
Newport Beach, CA 92660
Phone: (714) 289-3300

Issuing Policies of Chicago Title Insurance Company

ORDER NO.: **00811029-021-DN1**

Escrow/Customer Phone: **(714) 289-3300**

Ticor Title Company of California
1500 Quail Street, 3rd Floor
Newport Beach, CA 92660
ATTN: Kim Hernandez
Email: kdhernandez@ticortitle.com

Title Officer: **David Noble**
Title Officer Phone: **(714) 289-3379**
Title Officer Fax: **(949) 809-0676**
Title Officer Email: **David.Noble@ticortitle.com**

PROPERTY: **1330 East Cypress Street, Covina, CA 91724**

AMENDED **PRELIMINARY REPORT**

In response to the application for a policy of title insurance referenced herein, ***Ticor Title Company of California*** *hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a policy or policies of title insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an exception herein or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations or Conditions of said policy forms.*

The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said policy or policies are set forth in Attachment One. The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. Limitations on Covered Risks applicable to the CLTA and ALTA Homeowner's Policies of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Attachment One. Copies of the policy forms should be read. They are available from the office which issued this report.

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.

The policy(s) of title insurance to be issued hereunder will be policy(s) of Chicago Title Insurance Company, a Florida Corporation.

Please read the exceptions shown or referred to herein and the exceptions and exclusions set forth in Attachment One of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered.

It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects and encumbrances affecting title to the land.

Countersigned:

By: _____
Authorized Signature

CHICAGO TITLE INSURANCE COMPANY CORPORATE SEAL

By: _____ President

ATTEST _____ Secretary

TICOR TITLE™

1500 Quail Street, 3rd Floor
Newport Beach, CA 92660
Phone: (714) 289-3300

AMENDED **PRELIMINARY REPORT**

EFFECTIVE DATE: **April 2, 2021 at 7:30 a.m., Amended: April 27, 2021, Amendment No. 1**

ORDER NO.: 00811029-021-DN1

The form of policy or policies of title insurance contemplated by this report is:

ALTA Homeowners Policy of Title Insurance (12-2-13)
ALTA Extended Loan Policy (6-17-06)

1. THE ESTATE OR INTEREST IN THE LAND HEREINAFTER DESCRIBED OR REFERRED TO COVERED BY THIS REPORT IS:

   Fee and Easement Estate

2. TITLE TO SAID ESTATE OR INTEREST AT THE DATE HEREOF IS VESTED IN:

   TT Electronics Power Solutions (US) Inc., a Delaware corporation

3. THE LAND REFERRED TO IN THIS REPORT IS DESCRIBED AS FOLLOWS:

   See Exhibit A attached hereto and made a part hereof.

EXHIBIT "A"

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL 1:

LOT 1 OF C. J. HEYLER TRACT, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 13, PAGE 42 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT THE EASTERLY 135 FEET, MEASURED AT RIGHT ANGLES TO THE EASTERLY LINE OF SAID LOT.

ALSO EXCEPT THE WESTERLY 140 FEET, MEASURED ALONG THE NORTHERLY LINE OF SAID LOT.

ALSO EXCEPTING FROM THE REMAINDER OF SAID LAND, THAT PORTION DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF SAID LOT 1; THENCE SOUTHERLY ALONG THE WESTERLY LINE OF SAID LOT 1 TO THE NORTHERLY LINE OF THE SOUTHERLY 169 FEET MEASURED ALONG THE WESTERLY LINE OF SAID LOT; THENCE EASTERLY ALONG SAID NORTHERLY LINE TO THE EASTERLY LINE OF THE WESTERLY 150 FEET OF SAID LOT; THENCE NORTHERLY ALONG SAID EASTERLY LINE TO A POINT IN THE NORTHERLY LINE OF SAID LOT; THENCE WESTERLY ALONG SAID NORTHERLY LINE TO THE NORTHWEST CORNER OF SAID LOT 1.

PARCEL 2:

AN EASEMENT FOR PUBLIC UTILITY PURPOSES OVER THE SOUTHERLY 10 FEET OF THE NORTHERLY 150 FEET OF THE WESTERLY 150 FEET OF LOT 1.

APN: **8427-001-006**

EXCEPTIONS

AT THE DATE HEREOF, ITEMS TO BE CONSIDERED AND EXCEPTIONS TO COVERAGE IN ADDITION TO THE PRINTED EXCEPTIONS AND EXCLUSIONS IN SAID POLICY FORM WOULD BE AS FOLLOWS:

1. Property taxes, which are a lien not yet due and payable, including any assessments collected with taxes to be levied for the fiscal year 2021 - 2022.

2. Property taxes, including any personal property taxes and any assessments collected with taxes, are as follows:

Tax Identification No.:	8427-001-006
Fiscal Year:	2020-2021
1st Installment:	$48,828.08, paid.
2nd Installment:	$48,828.06, Delinquent (Delinquent after April 10)
Penalty and Cost:	$4,892.80
Code Area:	02645

3. Any liens or other assessments, bonds, or special district liens including without limitation, Community Facility Districts, that arise by reason of any local, City, Municipal or County Project or Special District.

4. The lien of supplemental or escaped assessments of property taxes, if any, made pursuant to the provisions of Chapter 3.5 (commencing with Section 75) or Part 2, Chapter 3, Articles 3 and 4, respectively, of the Revenue and Taxation Code of the State of California as a result of the transfer of title to the vestee named in Schedule A or as a result of changes in ownership or new construction occurring prior to Date of Policy.

5. Water rights, claims or title to water, whether or not disclosed by the public records.

6. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to:	County of Los Angeles
Purpose:	Highway purposes
Recording Date:	October 22, 1958
Recording No:	3334 of Official Records
Affects:	A portion of said land as more particularly described in said document.

Reference is hereby made to said document for full particulars.

7. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to:	County of Los Angeles
Purpose:	Public road and highway
Recording Date:	March 1, 1962
Recording No:	5732, Book D1529, Page 321 of Official Records
Affects:	A portion of said land as more particularly described in said document.

Reference is hereby made to said document for full particulars.

8. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to:	Southern California Edison Company
Purpose:	Pole lines and conduits
Recording Date:	January 5, 1978
Recording No:	78-16590 of Official Records
Affects:	A portion of said land as more particularly described in said document.

EXCEPTIONS
(Continued)

Reference is hereby made to said document for full particulars.

9. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to:	City of Covina
Purpose:	Sanitary sewers and storm drain
Recording Date:	January 23, 19778
Recording No:	78-85264 of Official Records
Affects:	A portion of said land as more particularly described in said document.

Reference is hereby made to said document for full particulars.

10. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to:	Southern California Edison Company
Purpose:	Public utilities
Recording Date:	December 1, 1983
Recording No:	83-1416095 of Official Records
Affects:	A portion of said land as more particularly described in said document.

Reference is hereby made to said document for full particulars

11. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to:	Southern California Edison Company
Purpose:	Public utilities
Recording Date:	November 25, 1986
Recording No:	86-1636249 of Official Records
Affects:	A portion of said land as more particularly described in said document.

Reference is hereby made to said document for full particulars

12. Any rights, claims or interests that may exist or arise by reason of the following facts disclosed by a map dated December 19, 2019 of an ALTA/NSPS Land Title Survey completed October 21, 2019 prepared by or under the responsible charge of Casey Lynch LS 8380, of/for Partner Engineering and Science, Inc., Project/Job No. 19-261431.

A. There is a transformer, manholes, water valve, and fire hydrant on surveyed property.
B. The buildings on surveyed property extend onto an easement for pole lines and conduits recorded January 5, 1978 as Instrument No. 78-16590 of Official Records
C. The buildings on surveyed property extend onto an easement for public utilities recorded December 1, 1983 as Instrument No. 83-1416095 of Official Records.

13. The search did not disclose any open mortgages or deeds of trust of record, therefore the Company reserves the right to require further evidence to confirm that the property is unencumbered, and further reserves the right to make additional requirements or add additional items or exceptions upon receipt of the requested evidence.

14. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other matters which a correct survey would disclose and which are not shown by the public records.

EXCEPTIONS
(Continued)

15. Any easements not disclosed by the public records as to matters affecting title to real property, whether or not said easements are visible and apparent.

16. Matters which may be disclosed by an inspection and/or by a correct ALTA/NSPS Land Title Survey of said Land that is satisfactory to the Company, and/or by inquiry of the parties in possession thereof.

17. Any rights of the parties in possession of a portion of, or all of, said Land, which rights are not disclosed by the public records.

    The Company will require, for review, a full and complete copy of any unrecorded agreement, contract, license and/or lease, together with all supplements, assignments and amendments thereto, before issuing any policy of title insurance without excepting this item from coverage.

    The Company reserves the right to except additional items and/or make additional requirements after reviewing said documents.

PLEASE REFER TO THE "INFORMATIONAL NOTES" AND "REQUIREMENTS" SECTIONS WHICH FOLLOW FOR INFORMATION NECESSARY TO COMPLETE THIS TRANSACTION.

END OF EXCEPTIONS

REQUIREMENTS SECTION

1. The Company will require the following documents for review prior to the issuance of any title insurance predicated upon a conveyance or encumbrance by the corporation named below:

   Name of Corporation: TT Electronics Power Solutions (US) Inc., a Delaware corporation

   a) A Copy of the corporation By-laws and Articles of Incorporation

   b) An original or certified copy of a resolution authorizing the transaction contemplated herein

   c) If the Articles and/or By-laws require approval by a 'parent' organization, a copy of the Articles and By-laws of the parent

   The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

2. Unrecorded matters which may be disclosed by an Owner's Affidavit or Declaration. A form of the Owner's Affidavit/Declaration is attached to this Preliminary Report/Commitment. This Affidavit/Declaration is to be completed by the record owner of the land and submitted for review prior to the closing of this transaction. Your prompt attention to this requirement will help avoid delays in the closing of this transaction. Thank you.

   The Company reserves the right to add additional items or make further requirements after review of the requested Affidavit/Declaration.

3. Furnish for review a full and complete copy of any unrecorded agreement, contract, license and/or lease together with all supplements, assignments and amendments thereto, prior to the close of this transaction.

   The Company reserves the right to add additional items or make further requirements after review of the requested documentation.

4. In order to complete this report, the Company requires a Statement of Information to be completed by the following party(s),

   Party(s): All Parties

   The Company reserves the right to add additional items or make further requirements after review of the requested Statement of Information.

   NOTE: The Statement of Information is necessary to complete the search and examination of title under this order. Any title search includes matters that are indexed by name only, and having a completed Statement of Information assists the Company in the elimination of certain matters which appear to involve the parties but in fact affect another party with the same or similar name. Be assured that the Statement of Information is essential and will be kept strictly confidential to this file.

END OF REQUIREMENTS

INFORMATIONAL NOTES SECTION

1. Note: The only conveyance(s) affecting said Land, which recorded within 24 months of the date of this report, are as follows:

Grantor:	Excelitas Technologies, Corp., a Delaware Corporation
Grantee:	TT Electronics Power Solutions (US) Inc., a Delaware corporation
Recording Date:	January 06, 2020
Recording No:	2020-10464, of Official Records

2. None of the items shown in this report will cause the Company to decline to attach ALTA Endorsement Form 9 to an Extended Coverage Loan Policy, when issued.

3. The Company is not aware of any matters which would cause it to decline to attach CLTA Endorsement Form 116 indicating that there is located on said Land Commercial properties, known as 1330 East Cypress Street, located within the city of Covina, California, 91724, to an Extended Coverage Loan Policy.

4. Note: The policy of title insurance will include an arbitration provision. The Company or the insured may demand arbitration. Arbitrable matters may include, but are not limited to, any controversy or claim between the Company and the insured arising out of or relating to this policy, any service of the Company in connection with its issuance or the breach of a policy provision or other obligation. Please ask your escrow or title officer for a sample copy of the policy to be issued if you wish to review the arbitration provisions and any other provisions pertaining to your Title Insurance coverage.

5. Notice: Please be aware that due to the conflict between federal and state laws concerning the cultivation, distribution, manufacture or sale of marijuana, the Company is not able to close or insure any transaction involving Land that is associated with these activities.

6. Pursuant to Government Code Section 27388.1, as amended and effective as of 1-1-2018, a Documentary Transfer Tax (DTT) Affidavit may be required to be completed and submitted with each document when DTT is being paid or when an exemption is being claimed from paying the tax. If a governmental agency is a party to the document, the form will not be required. DTT Affidavits may be available at a Tax Assessor-County Clerk-Recorder.

END OF INFORMATIONAL NOTES

David Noble/am2

Wire Fraud Alert

This Notice is not intended to provide legal or professional advice. If you have any questions, please consult with a lawyer.

All parties to a real estate transaction are targets for wire fraud and many have lost hundreds of thousands of dollars because they simply relied on the wire instructions received via email, without further verification. **If funds are to be wired in conjunction with this real estate transaction, we strongly recommend verbal verification of wire instructions through a known, trusted phone number prior to sending funds.**

In addition, the following non-exclusive self-protection strategies are recommended to minimize exposure to possible wire fraud.

- **NEVER RELY** on emails purporting to change wire instructions. Parties to a transaction rarely change wire instructions in the course of a transaction.
- **ALWAYS VERIFY** wire instructions, specifically the ABA routing number and account number, by calling the party who sent the instructions to you. DO NOT use the phone number provided in the email containing the instructions, use phone numbers you have called before or can otherwise verify. **Obtain the phone number of relevant parties to the transaction as soon as an escrow account is opened**. DO NOT send an email to verify as the email address may be incorrect or the email may be intercepted by the fraudster.
- **USE COMPLEX EMAIL PASSWORDS** that employ a combination of mixed case, numbers, and symbols. Make your passwords greater than eight (8) characters. Also, change your password often and do NOT reuse the same password for other online accounts.
- **USE MULTI-FACTOR AUTHENTICATION** for email accounts. Your email provider or IT staff may have specific instructions on how to implement this feature.

For more information on wire-fraud scams or to report an incident, please refer to the following links:

Federal Bureau of Investigation:
http://www.fbi.gov

Internet Crime Complaint Center:
http://www.ic3.gov

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TICOR TITLE™

1500 Quail Street, 3rd Floor
Newport Beach, CA 92660
Phone: (714) 289-3300

Notice of Available Discounts

Pursuant to Section 2355.3 in Title 10 of the California Code of Regulations Fidelity National Financial, Inc. and its subsidiaries ("FNF") must deliver a notice of each discount available under our current rate filing along with the delivery of escrow instructions, a preliminary report or commitment. Please be aware that the provision of this notice does not constitute a waiver of the consumer's right to be charged the filed rate. As such, your transaction may not qualify for the below discounts.

You are encouraged to discuss the applicability of one or more of the below discounts with a Company representative. These discounts are generally described below; consult the rate manual for a full description of the terms, conditions and requirements for such discount. These discounts only apply to transactions involving services rendered by the FNF Family of Companies. This notice only applies to transactions involving property improved with a one-to-four family residential dwelling.

Not all discounts are offered by every FNF Company. The discount will only be applicable to the FNF Company as indicated by the named discount.

FNF Underwritten Title Company	**Underwritten by FNF Underwriters**
CTC – Chicago Title company	CTIC – Chicago Title Insurance Company
CLTC – Commonwealth Land Title Company	CLTIC - Commonwealth Land Title Insurance Company
FNTC – Fidelity National Title Company of California	FNTIC – Fidelity National Title Insurance Company
FNTCCA - Fidelity National Title Company of California	FNTIC - Fidelity National Title Insurance Company
TICOR – Ticor Title Company of California	CTIC – Chicago Title Insurance Company
LTC – Lawyer's Title Company	CLTIC – Commonwealth Land Title Insurance Company
SLTC – ServiceLink Title Company	CTIC – Chicago Title Insurance Company

Available Discounts

DISASTER LOANS (CTIC, CLTIC, FNTIC)
The charge for a Lender's Policy (Standard or Extended coverage) covering the financing or refinancing by an owner of record, within twenty-four (24) months of the date of a declaration of a disaster area by the government of the United States or the State of California on any land located in said area, which was partially or totally destroyed in the disaster, will be fifty percent (50%) of the appropriate title insurance rate.

CHURCHES OR CHARITABLE NON-PROFIT ORGANIZATIONS (CTIC, FNTIC)
On properties used as a church or for charitable purposes within the scope of the normal activities of such entities, provided said charge is normally the church's obligation the charge for an owner's policy shall be fifty percent (50%) to seventy percent (70%) of the appropriate title insurance rate, depending on the type of coverage selected. The charge for a lender's policy shall be forty (40%) to fifty percent (50%) of the appropriate title insurance rate, depending on the type of coverage selected.

FIDELITY NATIONAL FINANCIAL, INC.
PRIVACY NOTICE

Effective January 1, 2021

Fidelity National Financial, Inc. and its majority-owned subsidiary companies (collectively, "FNF," "our," or "we") respect and are committed to protecting your privacy. This Privacy Notice explains how we collect, use, and protect personal information, when and to whom we disclose such information, and the choices you have about the use and disclosure of that information.

A limited number of FNF subsidiaries have their own privacy notices. If a subsidiary has its own privacy notice, the privacy notice will be available on the subsidiary's website and this Privacy Notice does not apply.

Collection of Personal Information

FNF may collect the following categories of Personal Information:

- contact information (*e.g.*, name, address, phone number, email address);
- demographic information (*e.g.*, date of birth, gender, marital status);
- identity information (*e.g.* Social Security Number, driver's license, passport, or other government ID number);
- financial account information (*e.g.* loan or bank account information); and
- other personal information necessary to provide products or services to you.

We may collect Personal Information about you from:

- information we receive from you or your agent;
- information about your transactions with FNF, our affiliates, or others; and
- information we receive from consumer reporting agencies and/or governmental entities, either directly from these entities or through others.

Collection of Browsing Information

FNF automatically collects the following types of Browsing Information when you access an FNF website, online service, or application (each an "FNF Website") from your Internet browser, computer, and/or device:

- Internet Protocol (IP) address and operating system;
- browser version, language, and type;
- domain name system requests; and
- browsing history on the FNF Website, such as date and time of your visit to the FNF Website and visits to the pages within the FNF Website.

Like most websites, our servers automatically log each visitor to the FNF Website and may collect the Browsing Information described above. We use Browsing Information for system administration, troubleshooting, fraud investigation, and to improve our websites. Browsing Information generally does not reveal anything personal about you, though if you have created a user account for an FNF Website and are logged into that account, the FNF Website may be able to link certain browsing activity to your user account.

Other Online Specifics

Cookies. When you visit an FNF Website, a "cookie" may be sent to your computer. A cookie is a small piece of data that is sent to your Internet browser from a web server and stored on your computer's hard drive. Information gathered using cookies helps us improve your user experience. For example, a cookie can help the website load properly or can customize the display page based on your browser type and user preferences. You can choose whether or not to accept cookies by changing your Internet browser settings. Be aware that doing so may impair or limit some functionality of the FNF Website.

Web Beacons. We use web beacons to determine when and how many times a page has been viewed. This information is used to improve our websites.

Do Not Track. Currently our FNF Websites do not respond to "Do Not Track" features enabled through your browser.

Links to Other Sites. FNF Websites may contain links to unaffiliated third-party websites. FNF is not responsible for the privacy practices or content of those websites. We recommend that you read the privacy policy of every website you visit.

Use of Personal Information

FNF uses Personal Information for three main purposes:

- To provide products and services to you or in connection with a transaction involving you.
- To improve our products and services.
- To communicate with you about our, our affiliates', and others' products and services, jointly or independently.

When Information Is Disclosed

We may disclose your Personal Information and Browsing Information in the following circumstances:

- to enable us to detect or prevent criminal activity, fraud, material misrepresentation, or nondisclosure;
- to nonaffiliated service providers who provide or perform services or functions on our behalf and who agree to use the information only to provide such services or functions;

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- to nonaffiliated third party service providers with whom we perform joint marketing, pursuant to an agreement with them to jointly market financial products or services to you;
- to law enforcement or authorities in connection with an investigation, or in response to a subpoena or court order; or
- in the good-faith belief that such disclosure is necessary to comply with legal process or applicable laws, or to protect the rights, property, or safety of FNF, its customers, or the public.

The law does not require your prior authorization and does not allow you to restrict the disclosures described above. Additionally, we may disclose your information to third parties for whom you have given us authorization or consent to make such disclosure. We do not otherwise share your Personal Information or Browsing Information with nonaffiliated third parties, except as required or permitted by law. We may share your Personal Information with affiliates (other companies owned by FNF) to directly market to you. Please see "Choices with Your Information" to learn how to restrict that sharing.

We reserve the right to transfer your Personal Information, Browsing Information, and any other information, in connection with the sale or other disposition of all or part of the FNF business and/or assets, or in the event of bankruptcy, reorganization, insolvency, receivership, or an assignment for the benefit of creditors. By submitting Personal Information and/or Browsing Information to FNF, you expressly agree and consent to the use and/or transfer of the foregoing information in connection with any of the above described proceedings.

Security of Your Information
We maintain physical, electronic, and procedural safeguards to protect your Personal Information.

Choices With Your Information
If you do not want FNF to share your information among our affiliates to directly market to you, you may send an "opt out" request as directed at the end of this Privacy Notice. We do not share your Personal Information with nonaffiliates for their use to direct market to you without your consent.

Whether you submit Personal Information or Browsing Information to FNF is entirely up to you. If you decide not to submit Personal Information or Browsing Information, FNF may not be able to provide certain services or products to you.

For California Residents: We will not share your Personal Information or Browsing Information with nonaffiliated third parties, except as permitted by California law. For additional information about your California privacy rights, please visit the "California Privacy" link on our website (https://fnf.com/pages/californiaprivacy.aspx) or call (888) 413-1748.

For Nevada Residents: You may be placed on our internal Do Not Call List by calling (888) 934-3354 or by contacting us via the information set forth at the end of this Privacy Notice. Nevada law requires that we also provide you with the following contact information: Bureau of Consumer Protection, Office of the Nevada Attorney General, 555 E. Washington St., Suite 3900, Las Vegas, NV 89101; Phone number: (702) 486-3132; email: BCPINFO@ag.state.nv.us.

For Oregon Residents: We will not share your Personal Information or Browsing Information with nonaffiliated third parties for marketing purposes, except after you have been informed by us of such sharing and had an opportunity to indicate that you do not want a disclosure made for marketing purposes.

For Vermont Residents: We will not disclose information about your creditworthiness to our affiliates and will not disclose your personal information, financial information, credit report, or health information to nonaffiliated third parties to market to you, other than as permitted by Vermont law, unless you authorize us to make those disclosures.

Information From Children
The FNF Websites are not intended or designed to attract persons under the age of eighteen (18).We do not collect Personal Information from any person that we know to be under the age of thirteen (13) without permission from a parent or guardian.

International Users
FNF's headquarters is located within the United States. If you reside outside the United States and choose to provide Personal Information or Browsing Information to us, please note that we may transfer that information outside of your country of residence. By providing FNF with your Personal Information and/or Browsing Information, you consent to our collection, transfer, and use of such information in accordance with this Privacy Notice.

FNF Website Services for Mortgage Loans
Certain FNF companies provide services to mortgage loan servicers, including hosting websites that collect customer information on behalf of mortgage loan servicers (the "Service Websites"). The Service Websites may contain links to both this Privacy Notice and the mortgage loan servicer or lender's privacy notice. The sections of this Privacy Notice titled When Information is Disclosed, Choices with Your Information, and Accessing and Correcting Information do not apply to the Service Websites. The mortgage loan servicer or lender's privacy notice governs use, disclosure, and access to your Personal Information. FNF does not share Personal Information collected through the Service Websites, except as required or authorized by contract with the mortgage loan servicer or lender, or as required by law or in the good-faith belief that such disclosure is necessary: to comply with a legal process or applicable law, to enforce this Privacy Notice, or to protect the rights, property, or safety of FNF or the public.

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Your Consent To This Privacy Notice; Notice Changes; Use of Comments or Feedback

By submitting Personal Information and/or Browsing Information to FNF, you consent to the collection and use of the information in accordance with this Privacy Notice. We may change this Privacy Notice at any time. The Privacy Notice's effective date will show the last date changes were made. If you provide information to us following any change of the Privacy Notice, that signifies your assent to and acceptance of the changes to the Privacy Notice.

Accessing and Correcting Information; Contact Us

If you have questions, would like to correct your Personal Information, or want to opt-out of information sharing for affiliate marketing, visit FNF's Opt Out Page or contact us by phone at (888) 934-3354 or by mail to:

Fidelity National Financial, Inc.
601 Riverside Avenue
Jacksonville, Florida 32204
Attn: Chief Privacy Officer

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ATTACHMENT ONE (Revised 05-06-16)

CALIFORNIA LAND TITLE ASSOCIATION
STANDARD COVERAGE POLICY – 1990

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien, or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
   (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims or other matters:
   (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
   (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
   (c) resulting in no loss or damage to the insured claimant;
   (d) attaching or created subsequent to Date of Policy; or
   (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable doing business laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any claim, which arises out of the transaction vesting in the insured the estate of interest insured by this policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.
   Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.
2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession thereof.
3. Easements, liens or encumbrances, or claims thereof, not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

CLTA HOMEOWNER'S POLICY OF TITLE INSURANCE (12-02-13)
ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE

EXCLUSIONS

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:
   a. building;
   b. zoning;
   c. land use;
   d. improvements on the Land;
   e. land division; and
   f. environmental protection.
   This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.
2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
4. Risks:
   a. that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
   b. that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;

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c. that result in no loss to You; or
d. that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.

5. Failure to pay value for Your Title.
6. Lack of a right:
   a. to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
   b. in streets, alleys, or waterways that touch the Land.

   This Exclusion does not limit the coverage described in Covered Risk 11 or 21.
7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.
8. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
9. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

LIMITATIONS ON COVERED RISKS

Your insurance for the following Covered Risks is limited on the Owner's Coverage Statement as follows:

- For Covered Risk 16, 18, 19, and 21 Your Deductible Amount and Our Maximum Dollar Limit of Liability shown in Schedule A.

The deductible amounts and maximum dollar limits shown on Schedule A are as follows:

	Your Deductible Amount	Our Maximum Dollar Limit of Liability
Covered Risk 16:	1.00% of Policy Amount Shown in Schedule A or $2,500.00 (whichever is less)	$ 10,000.00
Covered Risk 18:	1.00% of Policy Amount Shown in Schedule A or $5,000.00 (whichever is less)	$ 25,000.00
Covered Risk 19:	1.00% of Policy Amount Shown in Schedule A or $5,000.00 (whichever is less)	$ 25,000.00
Covered Risk 21:	1.00% of Policy Amount Shown in Schedule A or $2,500.00 (whichever is less)	$ 5,000.00

2006 ALTA LOAN POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (i) the occupancy, use, or enjoyment of the Land;
   (ii) the character, dimensions, or location of any improvement erected on the Land;
   (iii) the subdivision of land; or
   (iv) environmental protection;

   or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
   (a) created, suffered, assumed, or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13 or 14); or
   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
   (a) a fraudulent conveyance or fraudulent transfer, or
   (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

{Except as provided in Schedule B - Part II,{ t{or T}his policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:

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{PART I

{The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records.}

PART II

In addition to the matters set forth in Part I of this Schedule, the Title is subject to the following matters, and the Company insures against loss or damage sustained in the event that they are not subordinate to the lien of the Insured Mortgage:}

2006 ALTA OWNER'S POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (i) the occupancy, use, or enjoyment of the Land;
   (ii) the character, dimensions, or location of any improvement erected on the Land;
   (iii) the subdivision of land; or
   (iv) environmental protection;
   or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
   (a) created, suffered, assumed, or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10); or
   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
   (a) a fraudulent conveyance or fraudulent transfer; or
   (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage, and the Company will not pay costs, attorneys' fees or expenses, that arise by reason of:
{The above policy form may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following Exceptions from Coverage:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown in the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and that are not shown by the Public Records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b), or (c) are shown by the Public Records.
6. Any lien or right to a lien for services, labor or material not shown by the Public Records. }
7. {Variable exceptions such as taxes, easements, CC&R's, etc. shown here.}

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ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY – ASSESSMENTS PRIORITY (04-02-15)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
   (i) the occupancy, use, or enjoyment of the Land;
   (ii) the character, dimensions, or location of any improvement erected on the Land;
   (iii) the subdivision of land; or
   (iv) environmental protection;
   or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
   (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 5, 6, 13(c), 13(d), 14 or 16.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
   (a) created, suffered, assumed, or agreed to by the Insured Claimant;
   (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   (c) resulting in no loss or damage to the Insured Claimant;
   (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27 or 28); or
   (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury, or any consumer credit protection or truth-in-lending law. This Exclusion does not modify or limit the coverage provided in Covered Risk 26.
6. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to Advances or modifications made after the Insured has Knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11.
7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching subsequent to Date of Policy. This Exclusion does not modify or limit the coverage provided in Covered Risk 11(b) or 25.
8. The failure of the residential structure, or any portion of it, to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This Exclusion does not modify or limit the coverage provided in Covered Risk 5 or 6.
9. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
   (a) a fraudulent conveyance or fraudulent transfer, or
   (b) a preferential transfer for any reason not stated in Covered Risk 27(b) of this policy.
10. Contamination, explosion, fire, flooding, vibration, fracturing, earthquake, or subsidence.
11. Negligence by a person or an Entity exercising a right to extract or develop minerals, water, or any other substances.

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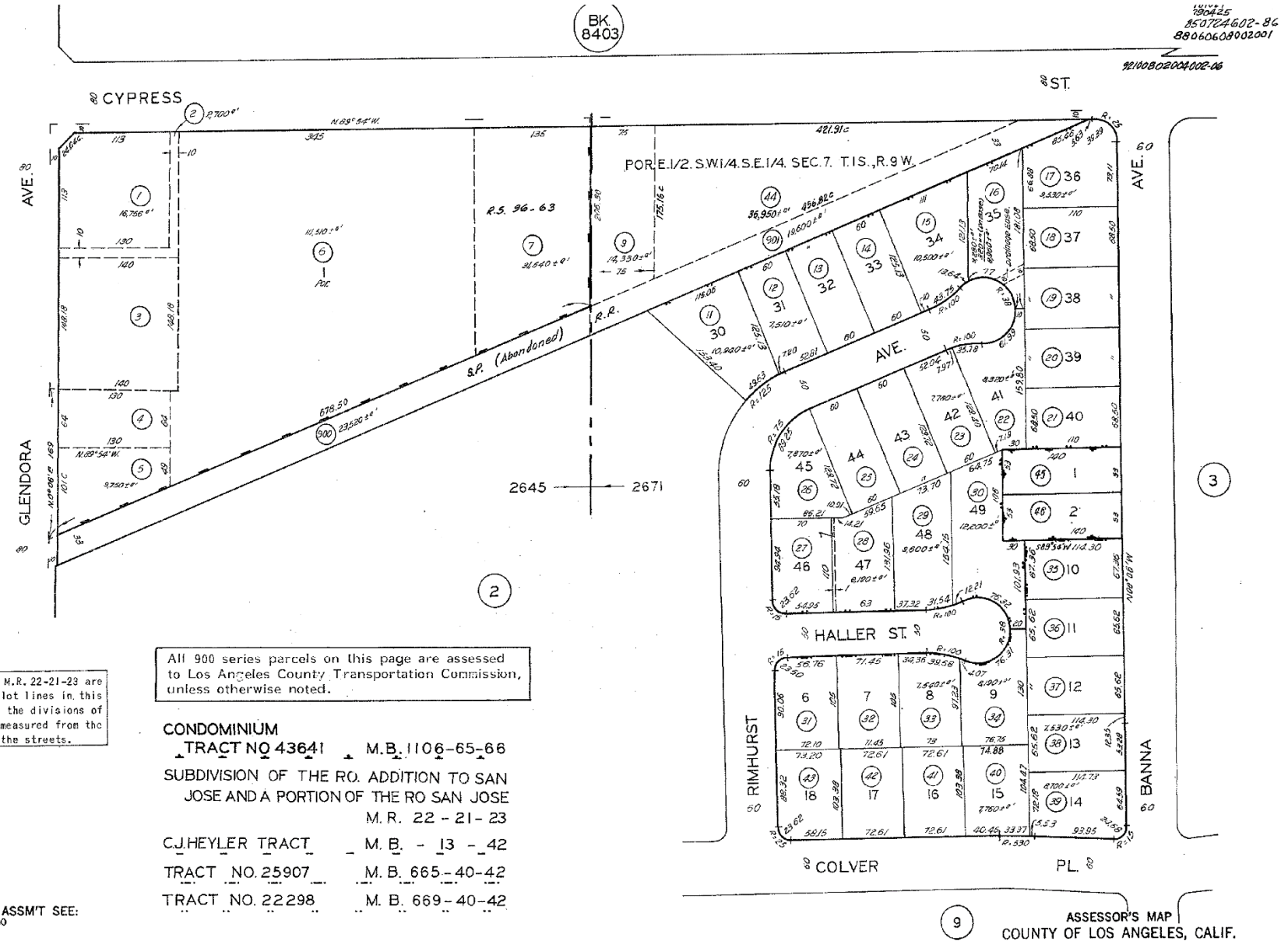
This map/plat is being furnished as an aid in locating the herein described Land in relation to adjoining streets, natural boundaries and other land, and is not a survey of the land depicted. Except to the

8427 | 1

SCALE 1" = 100'

1993



Street lines per M.R. 22-21-23 are considered the lot lines in this tract, although the divisions of some lots are measured from the centerlines of the streets.

All 900 series parcels on this page are assessed to Los Angeles County Transportation Commission, unless otherwise noted.

CONDOMINIUM
TRACT NO 43641 M.B. 1106-65-66

SUBDIVISION OF THE RO. ADDITION TO SAN JOSE AND A PORTION OF THE RO SAN JOSE
M. R. 22 - 21 - 23

C.J.HEYLER TRACT M. B. - 13 - 42

TRACT NO. 25907 M. B. 665-40-42

TRACT NO. 22298 M. B. 669-40-42

CODE
2645
2671

FOR PREV. ASSM'T SEE:
8424 - 4 & 30

ASSESSOR'S MAP
COUNTY OF LOS ANGELES, CALIF.

OWNER'S DECLARATION

Escrow No.: 00811029-021-KH1-DN1
Property Address: 1330 East Cypress Street
Covina, CA 91724

The undersigned hereby declares as follows:

1. (Fill in the applicable paragraph and strike the other)
   a. Declarant ("Owner") is the owner or lessee, as the case may be, of certain premises located at 1330 East Cypress Street, Covina, CA 91724, further described as follows: See Preliminary Report/Commitment No. for full legal description (the "Land").
   b. Declarant is the _____ of _____ ("Owner"), which is the owner or lessee, as the case may be, of certain premises located at 1330 East Cypress Street, Covina, CA 91724, further described as follows: See Preliminary Report/Commitment No. for full legal description (the "Land").
2. (Fill in the applicable paragraph and strike the other)
   a. During the period of six months immediately preceding the date of this declaration no work has been done, no surveys or architectural or engineering plans have been prepared, and no materials have been furnished in connection with the erection, equipment, repair, protection or removal of any building or other structure on the Land or in connection with the improvement of the Land in any manner whatsoever.
   b. During the period of six months immediately preceding the date of this declaration certain work has been done and materials furnished in connection with _____ upon the Land in the approximate total sum of $_____, but no work whatever remains to be done and no materials remain to be furnished to complete the construction in full compliance with the plans and specifications, nor are there any unpaid bills incurred for labor and materials used in making such improvements or repairs upon the Land, or for the services of architects, surveyors or engineers, except as follows: _____. Owner, by the undersigned Declarant, agrees to and does hereby indemnify and hold harmless Ticor Title Company of California against any and all claims arising therefrom.
3. Owner has not previously conveyed the Land; is not a debtor in bankruptcy (and if a partnership, the general partner thereof is not a debtor in bankruptcy); and has not received notice of any pending court action affecting the title to the Land.
4. Except as shown in the above-referenced Preliminary Report/Commitment, there are no unpaid or unsatisfied mortgages, deeds of trust, Uniform Commercial Code financing statements, regular assessments, special assessments, periodic assessments or any assessment from any source, claims of lien, special assessments, or taxes that constitute a lien against the Land or that affect the Land but have not been recorded in the public records. There are no violations of the covenants, conditions and restrictions as shown in the above-referenced Preliminary Report/Commitment.
5. The Land is currently in use as _____; _____ occupy/occupies the Land; and the following are all of the leases or other occupancy rights affecting the Land:

   _____
6. There are no other persons or entities that assert an ownership interest in the Land, nor are there unrecorded easements, claims of easement, or boundary disputes that affect the Land.
7. There are no outstanding options to purchase or rights of first refusal affecting the Land.
8. Between the most recent Effective Date of the above-referenced Preliminary Report/Commitment and the date of recording of the Insured Instrument(s), Owner has not taken or allowed, and will not take or allow, any action or inaction to encumber or otherwise affect title to the Land.

This declaration is made with the intention that Ticor Title Company of California (the "Company") and its policy issuing agents will rely upon it in issuing their title insurance policies and endorsements. Owner, by the undersigned Declarant, agrees to indemnify the Company against loss or damage (including attorneys fees, expenses, and costs) incurred by the Company as a result of any untrue statement made herein.

I declare under penalty of perjury that the foregoing is true and correct and that this declaration was executed on _____ at _____.

Signature: _____

Ticor Title Company of California Statement Of Information

CONFIDENTIAL - TO BE USED ONLY IN CONNECTION WITH Transaction Number: 00811029-021-DN1

NOTE: This form is very important. It is needed to verify your identity and to eliminate judgments and liens against people with similar names.

THE STREET ADDRESS of the property in this transaction is: (If none, please leave blank)

ADDRESS: _____ CITY and STATE: _____

1. Improvements: ☐ Single Residence ☐ Multiple Residence ☐ Commercial ☐ Vacant Land

2. Occupied By: ☐ Owner ☐ Tenants **3.** ANY CONSTRUCTION WITHIN THE LAST 6 MONTHS? ☐ YES ☐ NO

4. IF YES to No. **3**, STATE NATURE WORK DONE: _____

PARTY 1	**PARTY 2**
First Middle Last	First Middle Last
Former Last Name(s), if any	Former Last Name(s), if any
Birthplace Birth Date	Birthplace Birth Date
Social Security Number Driver's License No.	Social Security Number Driver's License No.
I ☐ am single ☐ am married ☐ have a **registered** domestic partner	I ☐ am single ☐ am married ☐ have a **registered** domestic partner
Current Spouse or Registered Domestic Partner (Other Than Party 2):	Current Spouse or Registered Domestic Partner (Other Than Party 1):
Name: _____	Name: _____
Former spouse/domestic partner (if none – check this box ☐)	Former spouse/domestic partner (if none – check this box ☐)
☐ Deceased Date:_____ Where:_____	☐ Deceased Date:_____ Where:_____
☐ Divorce/Dissolution Date:_____ Where:_____	☐ Divorce/Dissolution Date:_____ Where:_____
Children from current and/or former marriages and/or domestic partnerships	Children from current and/or former marriages and/or domestic partnerships
Child Name:_____ DOB_____	Child Name:_____ DOB_____
Child Name:_____ DOB_____	Child Name:_____ DOB_____

Marriage or Domestic Partnership Between Parties 1 and 2

Are Parties 1 and 2: ☐ Married? Date: _____ ☐ Registered Domestic Partners? Date: _____

Party 1 - Occupations For Last 10 Years (*attach an additional page, if necessary*)

Present Occupation	Firm Name	Address	From	To
Prior Occupation	Firm Name	Address	From	To

Party 1 - Residences For Last 10 Years (*attach an additional page, if necessary*)

Number And Street	City, State, Zip Code	From	To
Number And Street	City, State, Zip Code	From	To

Party 2 - Occupations For Last 10 Years (*attach an additional page, if necessary*)

Present Occupation	Firm Name	Address	From	To
Prior Occupation	Firm Name	Address	From	To

Party 2 - Residences For Last 10 Years (*attach an additional page, if necessary*)

Number And Street	City, State, Zip Code	From	To
Number And Street	City, State, Zip Code	From	To

Have any of the above parties owned or operated a business? ☐ No ☐ Yes If yes, please list name(s): _____

I have never been adjudged, bankrupt nor are there any unsatisfied judgments or other matters pending against me which might affect my title to this property except as follows: _____

The undersigned declare under penalty of perjury that the above information is true and correct (all parties must sign)

Phone(s) # _____	**Phone(s) #** _____
E-Mail: _____	**E-Mail:** _____
_____ _____	_____ _____
Party 1 Signature **Date**	**Party 2 Signature** **Date**

Agency Documents

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 33393

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

APPL. NO. 111413

LEGAL OWNER OR OPERATOR: EG&G ALMOND INSTRUMENTS
1330 EAST CYPRESS STREET
COVINA, CALIFORNIA 91724

EQUIPMENT LOCATED AT:

EQUIPMENT DESCRIPTION AND CONDITIONS:

SPRAY BOOTH, BLEEKER, BENCH TYPE, 4'-4" W. X 5'-2" L. X 4'-4" H., WITH FOUR 20" X 20" EXHAUST FILTERS AND ONE 1/2 H.P. EXHAUST FAN.

FILE COPY

This initial permit must be renewed by 04/16/84 unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 10/04/83

XXXXXXXXXX
VOID UNLESS VALIDATED

76P235M-REV. 2-81

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
M 33393

CONTINUATION OF PERMIT NO. _____
(MUST BE DISPLAYED WITH PERMIT)

-CONDITIONS-

1. THIS SPRAY BOOTH MUST NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.

2. A GAUGE MUST BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL MUST NOT EXCEED 0.25 INCH OF WATER.

3. ORGANIC SOLVENTS USED IN THIS EQUIPMENT MUST BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.

4. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT MUST NOT EXCEED 1 GALLON IN ANY ONE DAY.

South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

PERMIT TO OPERATE

Permit No.
G60480
A/N 618935

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301(d)) is not received by the expiration date, contact the District.

ID 191771

Legal Owner or Operator:

TT ELECTRONICS POWER SOLUTIONS (US) INC
1330 E CYPRESS ST
COVINA, CA 91724

Equipment Location: 1330 E CYPRESS ST, COVINA, CA 91724-2103

Equipment Description :

CONVECTION AIR, SOLDER REFLOW OVEN, ABW SYSTEMS CORP., MODEL NO. TSC-1210, SERIAL NO. 5045, 4.3' W. X 16' L. X 4.3' H., ELECTRICALLY HEATED, WITH A 1/2 HP PALLET TYPE CONVEYOR.

Conditions :

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

FILE COPY

NOTICE

In accordance with Rule 206, this Permit to Operate or copy shall be posted on or within 8 meters of the equipment.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the applicable Rules and Regulations of the South Coast Air Quality Management District (SCAQMD). This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

Executive Officer

Amir Dejbakhsh

BY AMIR DEJBAKHSH/LK04
2/14/2020

FILE COPY

South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

PERMIT TO OPERATE

Permit No.
G60484
A/N 618942

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301(d)) is not received by the expiration date, contact the District.

ID 191771

Legal Owner or Operator:

TT ELECTRONICS POWER SOLUTIONS (US) INC
1330 E CYPRESS ST
COVINA, CA 91724

Equipment Location: 1330 E CYPRESS ST, COVINA, CA 91724-2103

Equipment Description :

SOLDERING MACHINE, ELECTROVERT, MODEL ECONOPAK I, CONVEYORIZED, 1.4 KW ELECTRICALLY HEATED.

Conditions :

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THE TOTAL QUANTITY OF FLUX USED IN THIS EQUIPMENT SHALL NOT EXCEED 160 PINTS IN ANY ONE MONTH.
4. THE TOTAL QUANTITY OF FLUX THINNER USED IN THIS EQUIPMENT SHALL NOT EXCEED 106 PINTS IN ANY ONE MONTH.
5. THE FLUX AND FLUX THINNER USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC COMPOUNDS AS LISTED IN THE LATEST RULE 1401 AMENDMENTS.
6. THE OPERATOR SHALL KEEP RECORDS IN ACCORDANCE WITH THE REQUIREMENTS OF RULE 109.

FILE COPY

NOTICE

In accordance with Rule 206, this Permit to Operate or copy shall be posted on or within 8 meters of the equipment.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the applicable Rules and Regulations of the South Coast Air Quality Management District (SCAQMD). This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

Executive Officer

Amir Dejbakhsh

BY AMIR DEJBAKHSH/LK04
2/14/2020

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No.
G12198
A/N 517169

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

ID 166394

Legal Owner
or Operator: EXCELITAS TECHNOLOGIES CORP
1330 E CYPRESS
COVINA, CA 91724

Equipment Location: 1330 E CYPRESS ST, COVINA, CA 91724-2103

Equipment Description :

CONVECTION AIR, SOLDER REFLOW OVEN, ABW SYSTEMS CORP., MODEL NO. TSC-1210, SERIAL NO. 5045, 4.3' W. X 16' L. X 4.3' H., ELECTRICALLY HEATED, WITH A 1/2 HP PALLET TYPE CONVEYOR.

Conditions :

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

FILE COPY

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M.Bailey/LK04
3/1/2011

FILE COPY

PERMIT TO OPERATE

Permit No.
G60483
A/N 618943

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301(d)) is not received by the expiration date, contact the District.

Legal Owner or Operator:

ID 191771

TT ELECTRONICS POWER SOLUTIONS (US) INC
1330 E CYPRESS ST
COVINA, CA 91724

Equipment Location: 1330 E CYPRESS ST, COVINA, CA 91724-2103

Equipment Description :

SPRAY BOOTH, BLEEKER, BENCH TYPE, 4'-4" W. X 5'-2" L. X 4'-4" H., WITH FOUR 20" X 20" EXHAUST FILTERS AND ONE 1/2-HP EXHAUST FAN.

Conditions :

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA WHICH IS AT LEAST TWO INCHES THICK.
4. A GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.
5. THIS EQUIPMENT SHALL OPERATE IN COMPLIANCE WITH RULES 1107, 1124, 1145 AND 1171.
6. MATERIAL SAFETY DATA SHEETS FOR ALL MATERIALS USED AT THIS FACILITY AND SUBJECT TO DISTRICT RULES SHALL BE KEPT CURRENT AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
7. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND CONTAINING MATERIALS USED IN THIS EQUIPMENT SHALL NOT EXCEED 1 GALLON IN ANY ONE DAY.

FILE COPY

8. PURSUANT TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT AND THIS FACILITY TO VERIFY COMPLIANCE WITH CONDITION NUMBER 7, AND THE VOLATILE ORGANIC COMPOUND (VOC) CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS). ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST TWO YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVE UPON REQUEST.

NOTICE

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Executive Officer

Amir Dejbakhsh

BY AMIR DEJBAKHSH/LK04
2/14/2020

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

ID 166394

Legal Owner
or Operator: EXCELITAS TECHNOLOGIES CORP
1330 E CYPRESS
COVINA, CA 91724

Equipment Location: 1330 E CYPRESS ST, COVINA, CA 91724-2103

Equipment Description :

SOLDERING MACHINE, ELECTROVERT, MODEL ECONOPAK I, CONVEYORIZED, 1.4 KW ELECTRICALLY HEATED.

Conditions :

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THE TOTAL QUANTITY OF FLUX USED IN THIS EQUIPMENT SHALL NOT EXCEED 160 PINTS IN ANY ONE MONTH.
4. THE TOTAL QUANTITY OF FLUX THINNER USED IN THIS EQUIPMENT SHALL NOT EXCEED 106 PINTS IN ANY ONE MONTH.
5. THE FLUX AND FLUX THINNER USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC COMPOUNDS AS LISTED IN THE LATEST RULE 1401 AMENDMENTS.
6. THE OPERATOR SHALL KEEP RECORDS IN ACCORDANCE WITH THE REQUIREMENTS OF RULE 109.

FILE COPY

PERMIT TO OPERATE

NOTICE

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EXECUTIVE OFFICER

Dorris M Bailey
By Dorris M.Bailey/LK04
3/2/2011

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

Permit No.
G12229
A/N 517170

PERMIT TO OPERATE

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

ID 166394

Legal Owner
or Operator: EXCELITAS TECHNOLOGIES SENSORS, INC
1330 E CYPRESS
COVINA, CA 91724

Equipment Location: 1330 E CYPRESS ST, COVINA, CA 91724-2103

Equipment Description :

SPRAY BOOTH, BLEEKER, BENCH TYPE, 4'-4" W. X 5'-2" L. X 4'-4" H., WITH FOUR 20" X 20" EXHAUST FILTERS AND ONE 1/2-HP EXHAUST FAN.

Conditions :

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA WHICH IS AT LEAST TWO INCHES THICK.
4. A GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.
5. THIS EQUIPMENT SHALL OPERATE IN COMPLIANCE WITH RULES 1107, 1124, 1145 AND 1171.
6. MATERIAL SAFETY DATA SHEETS FOR ALL MATERIALS USED AT THIS FACILITY AND SUBJECT TO DISTRICT RULES SHALL BE KEPT CURRENT AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
7. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND CONTAINING MATERIALS USED IN THIS EQUIPMENT SHALL NOT EXCEED 1 GALLON IN ANY ONE DAY.

FILE COPY

8. PURSUANT TO THE RECORDKEEPING REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT AND THIS FACILITY TO VERIFY COMPLIANCE WITH CONDITION NUMBER 7, AND THE VOLATILE ORGANIC COMPOUND (VOC) CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS). ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED ON THE PREMISES FOR AT LEAST TWO YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVE UPON REQUEST.

NOTICE

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EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M.Bailey/RB01
3/3/2011

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO CONSTRUCT/OPERATE

Permit No. R-D72103
A/N 279181
Page 1

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: EG & G POWER SYSTEMS
ATTENTION MARK BRAINARD
1330 E. CYPRESS STREET
COVINA, CA 91724

ID **035087**

Equipment located at: SAME AS ABOVE

Equipment Description:

DEGREASER, UNIQUE, VAPOR-SPRAY TYPE, MODEL LP1618, SERIAL NO. 0703886; 4'-0" W. X 1'-4" L. (INSIDE DIMENSIONS) X 3'-0" H. (OUTSIDE DIMENSION); WITH A 1/15 H.P. SPRAY PUMP, 2.5 KW ELECTRIC HEATER, A 3/4 H.P. REFRIGERATED PRIMARY CONDENSER, AND A 1'-4" FREEBOARD HEIGHT (100% FREEBOARD RATIO).

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THE TOTAL QUANTITY OF SOLVENT LOSS FROM THIS EQUIPMENT (NOT INCLUDING SALVAGED SOLVENT) SHALL NOT EXCEED 1.5 GALLONS IN ANY ONE DAY.

4. THE CLEANING SOLVENT USED IN THIS EQUIPMENT SHALL CONTAIN AT LEAST 96.0% BY WEIGHT OF DICHLOROFLUOROETHANE.

5. THE SOLVENTS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC COMPOUNDS AS LISTED UNDER RULE 1401.

6. THE OPERATOR SHALL MAINTAIN RECORDS TO PROVE COMPLIANCE WITH CONDITION NUMBERS 3, 4 AND 5 IN A FORMAT APPROVED IN WRITING BY THE DIRECTOR OF STATIONARY SOURCE COMPLIANCE. SUCH RECORDS SHALL BE RETAINED FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

7. BECAUSE OF A BEST AVAILABLE CONTROL TECHNOLOGY REQUIREMENT, THE DEGREASER AND OPERATOR SHALL COMPLY WITH THE APPLICABLE EQUIPMENT AND OPERATING REQUIREMENTS OF SECTIONS B AND C OF RULE 1122.

FILE COPY

PERMIT TO CONSTRUCT/OPERATE

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

THIS PERMIT TO CONSTRUCT/OPERATE R-D72103 SUPERSEDES PERMIT TO CONSTRUCT/OPERATE D72103 DATED 04/05/93.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M. Bailey

By Dorris M. Bailey/nd
04/23/93

FILE COPY

SCAQMD Facility Equipment List Report

Facility: 35087 PERKINELMER
Status: Sold
MR: 0605 SIC: 3679 Team:
Last Inspection: 01/23/2002 On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections
Quarter: 0020 - inspect in 3rd quarter, every two years
Contact: DAVID FUSSEL (626) 9679521 RECLAIM: N TITLE V: N AIRS ID:
Assignment: 686000
Location Address: 1330 E CYPRESS ST, COVINA 91724-2103 Sector:CK
Inspector: BK01 BRETT KIMBERLY
Mailing Address: 1330 E CYPRESS, COVINA 91724 Sector:CK
Inspection Date: 01/23/2002
Instruction:
Disposition: Operating in Compliance at time of inspection

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
443493				1B	CCAT	Activated Carbon Adsorber Drum Vent m.s.	05/10/2005	APPLICATION CANCELLED, KEEP ALL FEES
300634	D90660	05/16/1995	INACTIVE	000411	BCAT	SOLDERING MACHINE	02/09/1995	PERMIT TO OPERATE GRANTED
297898	D90658	05/16/1995	INACTIVE	000406	BCAT	SOLDER LEVELING	10/25/1994	PERMIT TO OPERATE GRANTED
279181	D72103	04/05/1993	INACTIVE	000243	BCAT	DEGREASER OTHER SOLVENTS <=1 lb/d VOC	03/15/1993	PERMIT TO OPERATE GRANTED
279184	D72104	04/05/1993	INACTIVE	000243	BCAT	DEGREASER OTHER SOLVENTS <=1 lb/d VOC	03/15/1993	PERMIT TO OPERATE GRANTED
279186	D72105	04/05/1993	INACTIVE	000243	BCAT	DEGREASER OTHER SOLVENTS <=1 lb/d VOC	03/15/1993	PERMIT TO OPERATE GRANTED
279188	D72106	04/05/1993	INACTIVE	000223	BCAT	DEGREASER OTHER SOLVENT (>1 lb VOC/DAY)	03/15/1993	PERMIT TO OPERATE GRANTED
221039	D51582	11/02/1992	INACTIVE	000411	BCAT	SOLDERING MACHINE	01/16/1990	PERMIT TO OPERATE GRANTED
231352	D32535	10/01/1990	INACTIVE	000241	BCAT	DEGREASER 111 TRICHLOROETHANE <=1lb/dVOC	06/22/1990	PERMIT TO OPERATE GRANTED
161710	M59821	01/07/1988	INACTIVE	000223	BCAT	DEGREASER OTHER SOLVENT (>1 lb VOC/DAY)	10/15/1987	PERMIT TO OPERATE GRANTED
161711	M59820	01/07/1988	INACTIVE	000223	BCAT	DEGREASER OTHER SOLVENT (>1 lb VOC/DAY)	10/15/1987	PERMIT TO OPERATE GRANTED
149430	M56383	04/29/1987	INACTIVE	000223	BCAT	DEGREASER OTHER SOLVENT (>1 lb VOC/DAY)	10/20/1986	PERMIT TO OPERATE GRANTED
127300	M42433	01/31/1985	INACTIVE	000221	BCAT	DEGREASER 1,1,1 TRICHLOROETHANE (>1LB/D)	11/15/1984	PERMIT TO OPERATE GRANTED
111413	M33393	10/04/1983	INACTIVE	60	CCAT	SPRAY BOOTH PAINT AND SOLVENT	06/16/1983	PERMIT TO OPERATE GRANTED
C42049	M27519	09/03/1980	INACTIVE	000223	BCAT	DEGREASER OTHER SOLVENT (>1 lb VOC/DAY)	04/16/1982	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO CONSTRUCT/OPERATE

Permit No
R-D72104
A/N 279184
Page 1

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator:

EG & G POWER SYSTEMS
ATTENTION MARK BRAINARD
1330 E. CYPRESS STREET
COVINA, CA 91724

ID 035087

Equipment located at: SAME AS ABOVE

Equipment Description:

DEGREASER, UNIQUE, VAPOR-SPRAY TYPE, MODEL LP1618, SERIAL NO. 1240387; 4'-0" W. X 1'-4" L. (INSIDE DIMENSIONS) X 3'-0" H. (OUTSIDE DIMENSION); WITH A 1/15 H.P. SPRAY PUMP, 2.5 KW ELECTRIC HEATER, A 3/4 H.P. REFRIGERATED PRIMARY CONDENSER, AND A 1'-4" FREEBOARD HEIGHT (100% FREEBOARD RATIO).

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. THE TOTAL QUANTITY OF SOLVENT LOSS FROM THIS EQUIPMENT (NOT INCLUDING SALVAGED SOLVENT) SHALL NOT EXCEED 1.5 GALLONS IN ANY ONE DAY.

4. THE CLEANING SOLVENT USED IN THIS EQUIPMENT SHALL CONTAIN AT LEAST 96.0% BY WEIGHT OF DICHLOROFLUOROETHANE.

5. THE SOLVENTS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC COMPOUNDS AS LISTED UNDER RULE 1401.

6. THE OPERATOR SHALL MAINTAIN RECORDS TO PROVE COMPLIANCE WITH CONDITION NUMBERS 3, 4 AND 5 IN A FORMAT APPROVED IN WRITING BY THE DIRECTOR OF STATIONARY SOURCE COMPLIANCE. SUCH RECORDS SHALL BE RETAINED FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

7. BECAUSE OF A BEST AVAILABLE CONTROL TECHNOLOGY REQUIREMENT, THE DEGREASER AND OPERATOR SHALL COMPLY WITH THE APPLICABLE EQUIPMENT AND OPERATING REQUIREMENTS OF SECTIONS B AND C OF RULE 1122.

FILE COPY

PERMIT TO CONSTRUCT/OPERATE

CONTINUATION OF PERMIT TO CONSTRUCT/OPERATE

THIS PERMIT TO CONSTRUCT/OPERATE R-D72104 SUPERSEDES PERMIT TO CONSTRUCT/OPERATE D72104 DATED 04/05/93.

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

Dorris M Bailey

By Dorris M. Bailey/nd
04/23/93

FILE COPY

SCAQMD Facility Equipment List Report

Facility: 191771 TT ELECTRONICS POWER SOLUTIONS (US) INC Status: Active MR: 0605 SIC: 3679 Team: I
Last Inspection: On Hold: N Suspended: N TS: TS-11 Industrial: Sector-based Inspections Quarter: 2000 - inspect in 1st quarter, every two years
Contact: RECLAIM: N TITLE V: N AIRS ID: Assignment:
Location Address: 1330 E CYPRESS ST, COVINA 91724-2103 Sector:CK Inspector:
Mailing Address: 1330 E CYPRESS ST, COVINA 91724 Sector:CK Inspection Date:
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
618935	G60480	02/14/2020	EXPIRED	000406	BCAT	SOLDER LEVELING	02/04/2020	PERMIT TO OPERATE GRANTED
618942	G60484	02/14/2020	EXPIRED	000411	BCAT	SOLDERING MACHINE	02/04/2020	PERMIT TO OPERATE GRANTED
618943	G60483	02/14/2020	EXPIRED	60	CCAT	SPRAY BOOTH PAINT AND SOLVENT	02/04/2020	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Notification Report

Notification 237562

Run Date: 5/28/2021 00:09:08

Receive By:	DOSWALD on 3/1/2010 16:54:00	Assignment No: 1156614	Inspection Date:
Assign By:		Inspector:	
Dispatch On:		Disposition:	
Team:	X	AIRS ID:	
Activity:	R1403 ASBESTOS REMOVAL	Title V:	
Instruction:			

Description: VAT TILE FROM LOBBY, HALL & 6 BATHROOMS: CK#45562 $159.15

Instance Start Date: 03/15/2010 00:00 Instance End Date: 05/19/2010 00:00

Status

Notifier

Facility: 107884 ALLIANCE ENVIRONMENTAL GROUP INC

First Name: Last Name: ANONYMOUS

Facility TS:

Address: VARIOUS LOCATIONS IN SCAQMD, Unit 1,500, AZUSA, CA 91702

Phone: (626)633-3544 (Work)

Site Location

Facility: $F; PERKIN ELMER; 45432

Facility TS:

Address: 1330 E CYPRESS ST, COVINA, CA 91724 (Sector CK)

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: swalko

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

NOTIFICATION OF DEMOLITION OR ASBESTOS REMOVAL

10 DAY

21865 E. Copley Drive, Diamond Bar, CA 91765-4182 (909)396-200

MAIL FORM AND FEE TO SCAQMD, ASBESTOS NOTIFICATIONS, FILE # 55641, LOS ANGELES CA 90074-5641

AQMD USE ONLY	SCREEN BY	RECEIVED	POSTMARK	ENTERED BY	NOTIFICATION # 237562
COMPLETED BY	JOANN SAWYER	COMPANY	Alliance Environmental Group, Inc.	PHONE	626-633-3544
DATE: 3/1/10	CHECK #	FEE:	$159.15	PROJECT -	45432
NOTIFICATION TYPE	ORIGINAL XX	REVISION DATES:		REVISION OTHER (highlight)	CANCELLATION
PROJECT TYPE	DEMOLITION	ORDERED DEMOLITION	RENOVATION (removal) XX	EMERGENCY REMOVAL	PLANNED RENO (annual)
SITE INFORMATION	SITE NAME: Perkin Elmer				
SITE ADDRESS:	1330 E. Cypress St			CROSS STREET:	
CITY: Covina	STATE: Ca	ZIP: 91724	COUNTY: Los Angeles		

DESCRIBE WORK LOCATION: Remove & dispose of asbestos containing vat tile from the lobb, hall & 6 bathrooms.

BLDG SIZE (SQ FT) 15000	NUMBER OF FLOORS 2	BUILDING AGE (YEARS) 1960	NUMBER OF DWELLINGS 1							
BLDG PRIOR/PRESENT USE	COMMERCIAL	XX HOSPITAL	INDUSTRIAL	OTHER	OFFICE	PUBLIC BLDG	HOUSE	SCHOOL	SHIP	UNIV/COL

SITE OWNER: SAME AS SITE

CITY: STATE: ZIP: CONTACT: PHONE: 626-967-9521

REQUIRED BUILDING INFORMATION	ASBESTOS PRESENT? Yes	ASBESTOS SURVEY? NO	ASBESTOS REMOVED? No	BUILDING TO BE DEMOLISHED? No			
PROJECT DATES	START: 3/15/10	END: 5/19/10	WORK SHIFT (am/pm) AM/				
ASBESTOS AMOUNT TO BE REMOVED (in square feet)	FRIABLE-	CLASS I - 1500	CLASS II -	TOTAL REMOVED (add row) - 1500			
ASBESTOS REMOVED FROM	SURFACES XX	PIPES	COMPONENT				
DESCRIBE TYPE & AMOUNT OF ASBESTOS (in square feet)	ACOUSTIC CEILING -	LINOLEUM	INSULATION	FIRE PROOFING	DUCTS	STUCCO	MASTIC
VAT TILE - 1500	DRY WALL -	PLASTER -	TRANSITE	ROOFING	OTHER -		

CONTRACTOR INFORMATION	CSLB LICENSE # 716538	OSHA REG # 630	AQMD ID # 107884
NAME: Alliance Environmental Group, Inc.	ADDRESS: 990 West Tenth Street		
CITY: Azusa	STATE: CA	ZIP: 91702	SITE SUPVR: Shaun Murphy PHONE: 626-633-3500
WASTE TRANSPORTER #1 Alliance Environmental Group, Inc.		LANDFILL La Paz County Landfill	
ADDRESS: 990 West Tenth Street		ADDRESS: 26999 Hwy 95 Mile Post 128 parker, AZ 85344	

SCAQMD NOTIFICATION OF DEMOLITION OR ASBESTOS REMOVAL

MAIL FORM AND FEE TO SCAQMD, ASBESTOS NOTIFICATIONS, FILE # 55641, LOS ANGELES CA 90074-5641

WASTE TRANSPORTER #2 : ECTI			*** WASTE STORAGE SITE: Alliance Environmental Group**		
ADDRESS: 953 Reece St			ADDRESS: 990 W. Tenth Street		
CITY: San Bernardino	STATE: CA	ZIP: 92411	CITY: Azusa	STATE: CA	ZIP: 91702

*** CONTROLS:** DESCRIBE WORK PRACTICES AND CONTROLS TO BE USED AT THE RENOVATION AND DEMOLITION SITE. Procedure (#1), 2, 3, 4, 5 or Other.

For asbestos removals circle the combination of Rule 1403 procedures used. Procedure 4 and 5 submit plans for AQMD prior approval (See procedure 4/5 guidelines)

*** ASBESTOS DETECTION PROCEDURE:** Circle the procedures and analytical methods used to determine the presence of asbestos in the building. Survey, Bulk Sampling, Inspection, PLM, PCM, TEM, Assumed as Asbestos-PACM, Describe Other (See survey guidelines checklist):

REMOVE AS "ACM" AT THE REQUEST OF HOMEOWNER.

FOR **DEMOLITIONS** GIVE THE COMPANY NAME AND DATES OF THE ASBESTOS REMOVAL:

FOR **ORDERED DEMOLITION** SEND A COPY OF THE ORDER AND GIVE THE AGENCY NAME & PHONE #

AUTHORIZING PERSON: TITLE

DATE OF ORDER: DATE ORDERED TO BEGIN:

FOR EMERGENCY ASBESTOS REMOVAL GIVE THE NAME AND PHONE NUMBER OF THE PERSON DECLARING/AUTHORIZING THE EMERGENCY, DATE AND HOUR OF EMERGENCY AND DESCRIBE THE SUDDEN, UNEXPECTED EVENT ***(Disturbed /damaged asbestos requires a procedure 5 plan approval prior to clean-up):***

EXPLAIN HOW THE EVENT WOULD CAUSE UNSAFE CONDITIONS, EQUIPMENT DAMAGE OR UNREASONABLE FINANCIAL BURDEN:

Restoration is pending abatement.

CONTINGENCY PLAN: DESCRIBE ACTIONS TO BE FOLLOWED IF UNEXPECTED ASBESTOS IS FOUND DURING DEMOLITION OR ASBESTOS MATERIAL BECOME DISTURBED, CRUMBLED, PULVERIZED, OR REDUCED TO POWDER.

(Disturbed /damaged asbestos requires a procedure 5 plan approval prior to clean-up): Send revision, flag area, follow OSHA, wet materials, dispose in 6 ml bags.

*** TRAINING CERTIFICATION:** I certify that an individual trained in the provisions of regulation AQMD Rule 1403 and NESHAP will be on site during the removal and evidence that the required training has been accomplished by this person will be available for inspection during normal business hours.

Company Name: Alliance Environmental Group	Print name of owner/operator	Signature of owner/operator	Tittle of owner/operator	Date
	Shaun Murphy		**Superintendent**	3/1/10

INFORMATION CERTIFICATION: I certify that the above information is correct and I have enclosed any required attachments.

Company Name: Alliance Environmental Group	Print name of owner/operator	Signature of owner/operator	Tittle of owner/operator	Date
	Jeff McLean		**President**	3/1/10

Notifications can not be accepted without the required fee (Rule 301). Asbestos removals of less than 100 square feet are exempt from notification and fees. Please make checks payable to "SCAQMD". Fees are per notification, not refundable, and vary according to the project size. Fees are as follows:

PROJECT SIZE in square feet	DEMOLITION OR REMOVAL
1,000 or less	$ 47.32
1,001 to 5,000	$ 144.68
5,001 to 10,000	$ 338.64
10,001 to 50,000	$ 531.01
50,001 to 100,000	$ 769.56
100,001 or more	$ 1,282.60

ADDITIONAL SERVICE CHARGES	
Special Handling Fee	$ 47.32
Revision to Notification	$ 47.32
Returned Check Fee	$ 25.00
Planned Renovation	$ 531.01
Procedure 4 or 5 Plan	$ 531.01

ATTENTION: **Keep a copy of your notification.** State law requires that you provide a copy of the demolition notification to Building and Safety before issuance of a demolition permit. For questions call 909-396-2336. Please mail the form and fee to AQMD. Mailing saves time, money and reduces traffic and air pollution

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

NOTIFICATION OF DEMOLITION OR ASBESTOS REMOVAL

10 DAY

21865 E. Copley Drive, Diamond Bar, CA 91765-4182 (909)396-200

MAIL FORM AND FEE TO SCAQMD, ASBESTOS NOTIFICATIONS, FILE # 55641, LOS ANGELES CA 90074-5641

AQMD USE ONLY	**SCREEN BY**	**RECEIVED**	**POSTMARK** 3/2/10	**ENTERED BY**	**NOTIFICATION #** 237562

COMPLETED BY **JOANN SAWYER** COMPANY Alliance Environmental Group, Inc. PHONE 626-633-3544

DATE: 3/1/10 CHECK # 455162 FEE: $159.15 PROJECT - 45432

NOTIFICATION TYPE	ORIGINAL XX	REVISION DATES:	REVISION OTHER (highlight)	CANCELLATION
PROJECT TYPE	DEMOLITION	ORDERED DEMOLITION	RENOVATION (removal) XX	EMERGENCY REMOVAL / PLANNED RENO (annual)
SITE INFORMATION	SITE NAME: Perkin Elmer			

SITE ADDRESS: 1330 E. Cypress St CROSS STREET:

CITY: Covina STATE: Ca ZIP: 91724 COUNTY: Los Angeles

DESCRIBE WORK LOCATION: Remove & dispose of asbestos containing vat tile from the lobb, hall & 6 bathrooms.

BLDG SIZE (SQ FT) 15000 NUMBER OF FLOORS 2 BUILDING AGE (YEARS) 1960 NUMBER OF DWELLINGS 1

BLDG PRIOR/PRESENT USE COMMERCIAL XX HOSPITAL INDUSTRIAL OTHER OFFICE PUBLIC BLDG HOUSE SCHOOL SHIP UNIV/COL

SITE OWNER: SAME AS SITE

CITY: STATE: ZIP: CONTACT: PHONE: 626-967-9521

REQUIRED BUILDING INFORMATION	ASBESTOS PRESENT? Yes	ASBESTOS SURVEY? NO	ASBESTOS REMOVED? No	BUILDING TO BE DEMOLISHED? No
PROJECT DATES	START: 3/15/10	END: 5/19/10	WORK SHIFT (am/pm) AM/	
ASBESTOS AMOUNT TO BE REMOVED (in square feet)	FRIABLE-	CLASS I - 1500	CLASS II -	**TOTAL REMOVED** (add row) - 1500
ASBESTOS REMOVED FROM	SURFACES XX	PIPES	COMPONENT	

DESCRIBE TYPE & AMOUNT OF ASBESTOS (in square feet)	ACOUSTIC CEILING -	LINOLEUM	INSULATION	FIRE PROOFING	DUCTS	STUCCO	MASTIC

VAT TILE -	DRY WALL -	PLASTER -	TRANSITE	ROOFING	OTHER -
1500					

CONTRACTOR INFORMATION CSLB LICENSE # 716538 OSHA REG # 630 AQMD ID # 107884

NAME: Alliance Environmental Group, Inc. ADDRESS: 990 West Tenth Street

CITY: Azusa STATE: CA ZIP: 91702 SITE SUPVR: Shaun Murphy PHONE: 626-633-3500

WASTE TRANSPORTER #1 **Alliance Environmental Group, Inc.**	**LANDFILL** **La Paz County Landfill**
ADDRESS: 990 West Tenth Street	ADDRESS: 26999 Hwy 95 Mile Post 128 parker, AZ 85344

Forms, instructions, and the Rule 1403 can be obtain via FAX-BACK by dialing from a ***faxphone*** (909) 396-2550 or through AQMD website http://www.aqmd.gov/prr/faxback.html

5/4/6

SCAQMD NOTIFICATION OF DEMOLITION OR ASBESTOS REMOVAL

MAIL FORM AND FEE TO SCAQMD, ASBESTOS NOTIFICATIONS, FILE # 55641, LOS ANGELES CA 90074-5641

WASTE TRANSPORTER #2 : ECTI			*** WASTE STORAGE SITE: Alliance Environmental Group**		
ADDRESS: 953 Reece St			ADDRESS: 990 W. Tenth Street		
CITY: San Bernardino	STATE: CA	ZIP: 92411	CITY: Azusa	STATE: CA	ZIP: 91702

*** CONTROLS**: DESCRIBE WORK PRACTICES AND CONTROLS TO BE USED AT THE RENOVATION AND DEMOLITION SITE. Procedure (# 1, 2, 3, 4, 5 or Other.

For asbestos removals circle the combination of Rule 1403 procedures used. Procedure 4 and 5 submit plans for AQMD prior approval (See procedure 4/5 guidelines)

*** ASBESTOS DETECTION PROCEDURE**: Circle the procedures and analytical methods used to determine the presence of asbestos in the building. Survey, Bulk Sampling, Inspection, PLM, PCM, TEM, Assumed as Asbestos-PACM, Describe Other (See survey guidelines checklist):

REMOVE AS "ACM" AT THE REQUEST OF HOMEOWNER.

FOR **DEMOLITIONS** GIVE THE COMPANY NAME AND DATES OF THE ASBESTOS REMOVAL:

FOR **ORDERED DEMOLITION** SEND A COPY OF THE ORDER AND GIVE THE AGENCY NAME & PHONE #

AUTHORIZING PERSON: TITLE

DATE OF ORDER: DATE ORDERED TO BEGIN:

FOR **EMERGENCY ASBESTOS REMOVAL** GIVE THE NAME AND PHONE NUMBER OF THE PERSON DECLARING/AUTHORIZING THE EMERGENCY, DATE AND HOUR OF EMERGENCY AND DESCRIBE THE SUDDEN, UNEXPECTED EVENT (***Disturbed /damaged asbestos requires a procedure 5 plan approval prior to clean-up):***

EXPLAIN HOW THE EVENT WOULD CAUSE UNSAFE CONDITIONS, EQUIPMENT DAMAGE OR UNREASONABLE FINANCIAL BURDEN:

Restoration is pending abatement.

CONTINGENCY PLAN: DESCRIBE ACTIONS TO BE FOLLOWED IF UNEXPECTED ASBESTOS IS FOUND DURING DEMOLITION OR ASBESTOS MATERIAL BECOME DISTURBED, CRUMBLED, PULVERIZED, OR REDUCED TO POWDER.

(***Disturbed /damaged asbestos requires a procedure 5 plan approval prior to clean-up): Send revision, flag area, follow OSHA, wet materials, dispose in 6 ml bags.***

*** TRAINING CERTIFICATION:** I certify that an individual trained in the provisions of regulation AQMD Rule 1403 and NESHAP will be on site during the removal and evidence that the required training has been accomplished by this person will be available for inspection during normal business hours.

Company Name: Alliance Environmental Group	Print name of owner/operator	Signature of owner/operator	Tittle of owner/operator	Date
	Shaun Murphy		**Superintendent**	3/1/10

INFORMATION CERTIFICATION: I certify that the above information is correct and I have enclosed any required attachments.

Company Name: Alliance Environmental Group	Print name of owner/operator	Signature of owner/operator	Tittle of owner/operator	Date
	Jeff McLean		**President**	3/1/10

Notifications can not be accepted without the required fee (Rule 301). Asbestos removals of less than 100 square feet are exempt from notification and fees. Please make checks payable to "SCAQMD". Fees are per notification, not refundable, and vary according to the project size. Fees are as follows:

PROJECT SIZE in square feet	DEMOLITION OR REMOVAL
1,000 or less	$ 47.32
1,001 to 5,000	$ 144.68
5,001 to 10,000	$ 338.64
10,001 to 50,000	$ 531.01
50,001 to 100,000	$ 769.56
100,001 or more	$ 1,282.60

ADDITIONAL SERVICE CHARGES	
Special Handling Fee	$ 47.32
Revision to Notification	$ 47.32
Returned Check Fee	$ 25.00
Planned Renovation	$ 531.01
Procedure 4 or 5 Plan	$ 531.01

ATTENTION: Keep a copy of your notification. State law requires that you provide a copy of the demolition notification to Building and Safety before issuance of a demolition permit. For questions call 909-396-2336. Please mail the form and fee to AQMD. Mailing saves time, money and reduces traffic and air pollution

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 42433

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: EG & G ALMOND INSTRUMENTS
1330 EAST CYPRESS STREET
COVINA, CALIFORNIA

EQUIPMENT LOCATED AT:

APPL. NO. 127300
PREVIOUS PERMIT NO. M31641

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASER, TOOLTRONICS, VAPOR-SPRAY TYPE, MODEL UL-1618, 2'-1" W. X 4'-3" L. X 3'-9" H., 1.2 KW ELECTRICALLY HEATED, WITH A 1/3 H.P. SPRAY PUMP AND A 1/3 H.P. REFRIGERATION UNIT.

FILE COPY

PAGE 1 OF 2 PAGES

This initial permit must be renewed by 04/16 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

XXXXXXXXXX

J. A. STUART
EXECUTIVE OFFICER

BY VIRGINIA MOY

DATE 01/31/85

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

CONTINUATION OF PERMIT NO. M 42433
(MUST BE DISPLAYED WITH PERMIT)

APPL. NO. 127300

-CONDITIONS-

1. THE TOTAL QUANTITY OF SOLVENTS USED IN THIS EQUIPMENT (NOT INCLUDING SALVAGED SOLVENT) MUST NOT EXCEED 1/2 GALLON IN ANY ONE DAY.

2. ORGANIC SOLVENTS USED IN THIS EQUIPMENT MUST BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.

3. THE CLEANING SOLVENT USED IN THIS EQUIPMENT MUST CONTAIN AT LEAST 88% BY WEIGHT OF 1,1,1 TRICHLOROETHANE, TRICHLOROTRIFLUOROETHANE METHYLENE CHLORIDE OR A COMBINATION OF THESE SOLVENTS.

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
R-M59821
A/N 161710
Page 1

This initial permit must be renewed by 04/16 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator: E G & G ALMOND INSTRUMENTS
1330 CYPRESS STREET
COVINA, CALIFORNIA 91724
ATTN: HAL DOTSON

ID 035087

Equipment located at: SAME AS ABOVE

Equipment Description:

DEGREASER, VAPOR & SPRAY TYPE, UNIQUE INDUSTRIES MODEL LP-1618, SERIAL NO. 1210387, 2' - 1" W. X 6' - 6" L. X 3' - 0" D., INSIDE DIMENSIONS, 2.5 K.W. ELECTRIC HEATER, AND ONE 1/15 H.P. SPRAY PUMP.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. ORGANIC SOLVENTS USED IN THIS EQUIPMENT MUST BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.

4. THIS CLEANING SOLVENT USED IN THIS EQUIPMENT MUST CONTAIN AT LEAST 91% BY WEIGHT OF 1,1,1-TRICHLOROETHANE, TRICHLOROTRIFLUOROETHANE OR ANY COMBINATION OF THESE SOLVENTS.

5. THE TOTAL QUANTITY OF SOLVENT LOSS FROM THIS EQUIPMENT MUST NOT EXCEED 1 GALLON IN ANY ONE DAY.

6. RECORDS MUST BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS 4 & 5 IN A FORMAT APPROVED IN WRITING BY THE DIRECTOR OF ENFORCEMENT OF THE DISTRICT. THE RECORDS MUST BE KEPT FOR AT LEAST TWO YEARS, AND MADE AVAILABLE TO THE DISTRICT PERSONNEL UPON REQUEST.

THIS PERMIT NO. R-M59821 SUPERSEDES PERMIT NO. M59822 ISSUED ON 01/07/88.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY MUST BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Raquel Puerta/ps
January 25, 1990

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

FCB AREA

821
M 59822
(TRACY AQMD)

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

APPL. NO. 161710

LEGAL OWNER OR OPERATOR: E G & G ALMOND INSTRUMENTS
1330 CYPRESS STREET
EQUIPMENT LOCATED AT: COVINA, CALIFORNIA

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASER, VAPOR & SPRAY TYPE, UNIQUE INDUSTRIES MODEL LP-1618, SERIAL NO. 1210387, 2'-1" W. X 6'-6" L. X 3'-0" D. INSIDE DIMENSIONS, 2.5 KW ELECTRIC HEATER, AND ONE 1/15 H.P. SPRAY PUMP.

-CONDITIONS-

1. ORGANIC SOLVENTS USED IN THIS EQUIPMENT MUST BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.

-PAGE 1 OF 2-

This initial permit must be renewed by ~~04/16 ANNUALLY~~ unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY RAQUEL M. PUERTA

DATE 01/07/88

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT to OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

M 59820

Operation under this permit must be conducted in compliance with all information included with the initial application and the initial permit conditions. The equipment must be properly maintained and kept in good operating condition at all times. In accordance with Rule 206, this Permit to Operate or copy must be posted on or within 8 meters of equipment.

LEGAL OWNER OR OPERATOR: E G & G ALMOND INSTRUMENTS
1330 E. CYPRESS STREET
EQUIPMENT LOCATED AT: COVINA, CALIFORNIA

APPL. NO. 161711

EQUIPMENT DESCRIPTION AND CONDITIONS:

DEGREASER, VAPOR & SPRAY TYPE, UNIQUE INDUSTRIES MODEL LP-1618, SERIAL NO. 1240387, 2'-1" W. X 6'-6" L. X 3'-0" D. INSIDE DIMENSIONS, 2.5 KW ELECTRIC HEATER, AND ONE 1/15 H.P. SPRAY PUMP.

FILE COPY

-CONDITIONS-

1. ORGANIC SOLVENTS USED IN THIS EQUIPMENT MUST BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.

-PAGE 1 OF 2-

This initial permit must be renewed by 04/16 ANNUALLY unless the equipment is moved, or changes ownership. If billing for annual renewal fee (Rule 301.f) not received by expiration date, contact office above.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules of the Air Quality Management District. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

EXECUTIVE OFFICER

BY RAQUEL M. PUERTA

DATE 01/07/88

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

CONTINUATION OF PERMIT NO. M 59820
(MUST BE DISPLAYED WITH PERMIT)

APPL. NO. 161711

-CONDITIONS-

2. THE CLEANING SOLVENT USED IN THIS EQUIPMENT MUST CONTAIN AT LEAST %91.5 BY WEIGHT OF TRICHLOROTRIFLUROETHANE, 1,1,1-TRICHLOROETHANE, OR ANY COMBINATION OF THESE SOLVENTS.

3. THE TOTAL QUANTITY OF SOLVENT LOSS FROM THIS EQUIPMENT MUST NOT EXCEED 1 GALLON IN ANY ONE DAY.

4. RECORDS MUST BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS 2 AND 3 IN A FORMAT APPROVED IN WRITING BY THE DIRECTOR OF ENFORCEMENT. THE RECORDS MUST BE KEPT FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

FILE COPY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No.
D32535
A/N 231352
Page 1

This initial permit must be renewed by 04/16 ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner Or Operator:

EG & G POWER SYSTEMS
1330 EAST CYPRESS STREET
COVINA, CALIFORNIA 91724
ATTN: M. S. BRAINARD

ID 035087

Equipment located at: SAME AS ABOVE.

Equipment Description:

DEGREASER, TOOLTRONICS, VAPOR-SPRAY TYPE, MODEL UC-1618; 1'-2" W. X 1'-5" L. (INSIDE DIMENSIONS) X 2'-5" H. (OUTSIDE DIMENSION), 1.2-KW ELECTRICALLY HEATED, WITH ONE 1/3-H.P. SPRAY PUMP, AND ONE 1/3-H.P. REFRIGERATION UNIT.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. ORGANIC SOLVENTS USED IN THIS EQUIPMENT SHALL BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.

4. THE CLEANING SOLVENT USED IN THIS EQUIPMENT SHALL CONTAIN AT LEAST 91% BY WEIGHT OF TRICHLOROTRIFLUOROETHANE.

5. THE TOTAL QUANTITY OF SOLVENT LOSS FROM THIS EQUIPMENT SHALL NOT EXCEED 1/2 GALLON IN ANY ONE DAY.

6. RECORDS SHALL BE MAINTAINED PURSUANT TO RULE 109.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY MUST BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Raquel Puerta/mb
October 1, 1990

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive, Diamond Bar, CA 91765

PERMIT TO OPERATE

Permit No. D51582
A/N 221039 Page 1

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner or Operator: EG & G POWER SYSTEM
1330 E CYPRESS ST
COVINA, CA 91724-2103
ATTN: HAL DOTSON

ID: 035087

Equipment located at : SAME AS ABOVE

Equipment Description:

WAVE SOLDERING MACHINE, TREIBER, MODEL 700C16, SERIAL NO. 84-045, 5'-7" W. X 11'-7" L. X 9'-1" H., 8.25 KW ELECTRICALLY HEATED, 1/8 H.P. CONVEYOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

3. ORGANIC SOLVENTS USED IN THIS EQUIPMENT SHALL BE CLEARLY LABELED AS NON-PHOTOCHEMICALLY REACTIVE BY THE SUPPLIER OR, FOR BULK SHIPMENTS, SHOWN TO BE NON-PHOTOCHEMICALLY REACTIVE ON BILLS OF LADING OR INVOICES.

4. THE TOTAL QUANTITY OF SOLVENT LOSS FROM THIS EQUIPMENT SHALL NOT EXCEED 160 PINTS OF FLUX PER MONTH.

5. THE TOTAL QUANTITY OF SOLVENT LOSS FROM THIS EQUIPMENT SHALL NOT EXCEED 106 PINTS OF FLUX THINNER PER MONTH.

6. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS 4 AND 5 IN A FORMAT APPROVED IN WRITING BY THE DIRECTOR OF THE COMPLIANCE DIVISION OF THE DISTRICT. THE RECORDS SHALL BE KEPT FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

FILE COPY

CONTINUATION OF PERMIT TO OPERATE

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Dorris M. Bailey
October 28, 1992

FILE COPY

81

L.A. COUNTY DPW HAZARDOUS MATERIALS SYSTEM REPORT: PWR050.001
DATE COMPILED: 06/25/99 IW INSPECTION JOB ORDER INSP#: I000310193
RUN DATE: 02/07/01 18:05:53 STORMWATER PC INSPECTION, NON- ASSC#:
PAGE: 1

FILE #: 021302-030142 NAME: ~~EG AND G POWER SYSTEM~~
ADD: 1330 E CYPRESS ST
COVINA, CA 91724 AREA: 6B SMD: 95
XSTREET: GLENDORA AVE THOMAS GUIDE: 0599-E4
CONTACT: MONTY JONES TEL: 626 967 9521

PROC: STORMWATER SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: 2ND ROUND.

ASSGN TO: SAN DIMAS FIELD OFFICE SECT: FIELD INSPECTION UNIT

==========

RESULTS: Most BMP's used effectively.
Told to clean clogged storm drain
at loading dock

REMARKS: _____

INSPECTOR: Marian Cruz Jr INSPECTION DATE: 3/1/01

DISP: complete

F/

COUNTY OF LOS ANGELES • DEPARTMENT OF PUBLIC WORKS
ENVIRONMENTAL PROGRAMS DIVISION
Storm Water Facility Inspection/Site Visit Report Form

Site/File 021302-030142

Inspection Work Order (I) 00030193

2ND ROUND

☐ First Inspection ☑ Routine Inspection ☐ Response to Complaint ☐ Facility has closed or new Facility Information (see attached)

Facility Name: PERKIN ELMER Site Address: 1330 E. Cypress St. Covina, Ca. 91724 Area (R/C) Code: 6B

Contact Name: Jim Jimenez Phone: (626) 967-9521 Business Type/Activity: ELECTRONIC MFG. SIC: 3829

Is the facility within the County unincorporated area ? ☐ Yes ☐ No City: COVINA

Is the facility covered under any other permits? (Check all that apply) ☐ None ☐ Industrial Waste
☑ Air Quality ☑ Hazmat business plan ☐ Underground Storage Tanks ☐ Aboveground storage tanks
☑ Fire Dept. (Storage) ☐ Hazardous waste generator ☐ Other:

Is the facility covered under a storm water permit? ☑ Does not need coverage ☐ No, but may need to (Refer to Regional Board)
☐ General (filed NOI) ☐ Individual NPDES

Does the facility have a SWPPP? ☐ Yes ☑ No

ACTIVITIES ASSESSMENT CHECKLIST

ACTIVITIES - Check each activity present at the site and evaluate its **potential for pollutant discharge (PPD)**: 1 = low potential, 2 = medium potential, 3 = high potential **➔ Circled BMPs require your immediate attention - see back of this report.**	APPLICABLE ACTIVITY Yes	No	PPD	EFFECTIVENESS RATING*	
A. MINIMUM BMPs - APPLICABLE TO ALL FACILITIES BMPs employed: 1, 2, 3, 4 (8), 9, 10	[✓]	[ ]	[2]	① ② ● ④ ⑤	
B. VEHICLE AND EQUIPMENT FUELING BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
C. VEHICLE AND EQUIPMENT WASHING/STEAM CLEANING BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
D. VEHICLE AND EQUIPMENT MAINTENANCE AND REPAIR BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
E. OUTDOOR LOADING/UNLOADING OF MATERIALS BMPs employed: 1, 3	[✓]	[ ]	[1]	① ② ③ ● ⑤	
F. OUTDOOR PROCESS EQUIPMENT OPERATIONS AND MAINTENANCE BMPs employed:	[ ]	[ ]	[ ]	① ② ③ ④ ⑤	
G. OUTDOOR STORAGE OF RAW MATERIALS/PRODUCTS/CONTAINERS BMPs employed: 1, 2, 4 7, 8	[✓]	[ ]	[1]	① ② ③ ④ ●	
H. WASTE HANDLING AND DISPOSAL BMPs employed: 1, 2, 3, 6, 7, 8, 9	[✓]	[ ]	[1]	① ② ③ ● ⑤	
I. CONTAMINATED OR ERODIBLE SURFACE AREAS BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
J. BUILDING AND GROUNDS MAINTENANCE BMPs employed: 4	[✓]	[ ]	[1]	① ② ③ ● ⑤	
K. ROOFTOP EQUIPMENT BMPs employed: 1	[✓]	[ ]	[1]	① ② ③ ● ⑤	
L. OUTDOOR DRAINAGE FROM INDOOR AREAS BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
M. OTHER (describe):	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	

*① **No BMPs used and stormwater pollution likely** ② **Some BMPs used but not effective** ③ **Some BMPs used and moderately effective**
④ **Source control BMPs used and very effective/structural BMPs needed** ⑤ **All necessary BMPs used and very effective**

This report is **not a citation.** It is furnished to the facility representative to assist in designing and evaluating Best Management Practices to prevent the runoff of pollutants to the storm drainage system A reinspection of your facility (☐ is required) (☑ is not required) to review correction of deficiencies noted above. Please call ( ) _____ by _____ between 8:00 a.m. to 9:30 a.m. to arrange for a reinspection.

Facility Representative Signature: _____ Date: 01/03/01

Print name of Facility Representative: JIM JIMENEZ Inspector: MARIANO CRUZ JR.

40-0056 DPW 10/99

OFFICE COPY

104

L.A. COUNTY DPW — HAZARDOUS MATERIALS SYSTEM — REPORT: PWR050.001
DATE COMPILED: 06/25/99 — IW INSPECTION JOB ORDER — INSP#: I000268274
RUN DATE: 09/22/99 09:09:27 — STORMWATER PC INSPECTION, NON- — ASSC#:
PAGE: 1

PERKIN ELMER
FILE #: 021302-030142 NAME: ~~EG AND G POWER SYSTEM~~
ADD: 1330 E CYPRESS ST
COVINA, CA 91724 AREA: 6B SMD: 95
XSTREET: GLENDORA AVE THOMAS GUIDE: ~~0000-00~~ 599 - E4
CONTACT: ~~JOAN RAUSEO~~ TEL: 626 967 9521
TONY JONES
PROC: STORMWATER SAMPLE REQUIRED? N SAMPLE #: _____

INSP INFO: CONDUCT STORMWATER SURVEY

ASSGN TO: SAN DIMAS FIELD OFFICE SECT: FIELD INSPECTION UNIT

==========

RESULTS: Pesticide Storage area covered & diked Containment. Condensate from equipment collected in 5-gal pails

REMARKS: Name change to Perkin Elmer

INSPECTOR: Elvia Salgado INSPECTION DATE: 4/19/00

DISP: C9

COUNTY OF LOS ANGELES • DEPARTMENT OF PUBLIC WORKS
ENVIRONMENTAL PROGRAMS DIVISION
Storm Water Facility Inspection/Site Visit Report Form

Site/File 021302-030142

Inspection Work Order (I) 268274

☑ First Inspection ☐ Routine Inspection ☐ Response to Complaint ☐ Facility has closed or new Facility Information (see attached)

Facility Name: PERKIN ELMER Site Address: 1330 E. CYPRESS Area (R/C) Code: 6B

Contact Name: MONTY JONES Phone: (626) 967-9521 Business Type/Activity: ELECTRONIC MFG. SIC: 3829

Is the facility within the County unincorporated area ? ☐ Yes ☒ No City: COVINA

Is the facility covered under any other permits? (Check all that apply) ☐ None ☐ Industrial Waste
☒ Air Quality ☒ Hazmat business plan ☐ Underground Storage Tanks ☐ Aboveground storage tanks
☐ Fire Dept. (Storage) ☐ Hazardous waste generator ☐ Other:

Is the facility covered under a storm water permit? ☒ Does not need coverage ☐ No, but may need to (Refer to Regional Board)
☐ General (filed NOI) ☐ Individual NPDES

Does the facility have a SWPPP? ☐ Yes ☒ No

ACTIVITIES ASSESSMENT CHECKLIST

ACTIVITIES - Check each activity present at the site and evaluate its **potential for pollutant discharge (PPD)**: 1 = low potential, 2 = medium potential, 3 = high potential **➔ Circled BMPs require your immediate attention - see back of this report.**	APPLICABLE ACTIVITY Yes	No	PPD	EFFECTIVENESS RATING*	
A. MINIMUM BMPs - APPLICABLE TO ALL FACILITIES BMPs employed: 1, 2, 3, 4, 6, 8, 9, 10	[✓]	[ ]	[1]	① ② ③ ④ ⑤	
B. VEHICLE AND EQUIPMENT FUELING BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
C. VEHICLE AND EQUIPMENT WASHING/STEAM CLEANING BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
D. VEHICLE AND EQUIPMENT MAINTENANCE AND REPAIR BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
E. OUTDOOR LOADING/UNLOADING OF MATERIALS BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
F. OUTDOOR PROCESS EQUIPMENT OPERATIONS AND MAINTENANCE BMPs employed: 3	[✓]	[ ]	[1]	① ② ③ ④ ⑤	
G. OUTDOOR STORAGE OF RAW MATERIALS/PRODUCTS/CONTAINERS BMPs employed: 1	[✓]	[ ]	[1]	① ② ③ ④ ⑤	
H. WASTE HANDLING AND DISPOSAL BMPs employed: 1, 2, 3, 6, 7, 8, 9	[✓]	[ ]	[1]	① ② ③ ④ ⑤	
I. CONTAMINATED OR ERODIBLE SURFACE AREAS BMPs employed: 2	[✓]	[ ]	[1]	① ② ③ ④ ⑤	
J. BUILDING AND GROUNDS MAINTENANCE BMPs employed: 4	[✓]	[ ]	[1]	① ② ③ ④ ⑤	
K. ROOFTOP EQUIPMENT BMPs employed: 1	[✓]	[ ]	[1]	① ② ③ ④ ⑤	
L. OUTDOOR DRAINAGE FROM INDOOR AREAS BMPs employed:	[ ]	[✓]	[ ]	① ② ③ ④ ⑤	
M. OTHER (describe):	[ ]	[ ]	[ ]	① ② ③ ④ ⑤	

*① **No BMPs used and stormwater pollution likely** ② **Some BMPs used but not effective** ③ **Some BMPs used and moderately effective**
④ **Source control BMPs used and very effective/structural BMPs needed** ⑤ **All necessary BMPs used and very effective**

This report is **not a citation.** It is furnished to the facility representative to assist in designing and evaluating Best Management Practices to prevent the runoff of pollutants to the storm drainage system. A reinspection of your facility (☐ is required)(☑ is not required) to review correction of deficiencies noted above. Please call ( ) _____ by _____ between 8:00 a.m. to 9:30 a.m. to arrange for a reinspection.

Facility Representative Signature: _____ Date: 4/19/00

Print name of Facility Representative: MONTY M. JONES Inspector: _____

40-0056 DPW 10/99

OFFICE COPY

CITY OF COVINA

VIA ELECTRONIC MAIL

May 27, 2021

Jennifer Woods
3621 S. Harbor Blvd., Ste. 115
Santa Ana, CA 92705
Jennifer.eoods@apexcos.com

Re: Public Records Act Request PRR 21-146

Dear Ms. Woods:

On May 25, 2021, the City of Covina ("City") received your request for public records. In accordance with Government Code Sections 6253(c) and 6255(b), this letter serves as the City's written response to your request. Your request is as follows:

- Building permit records available for 1330 Cypress St.

The City's response is as follows:

Attached are the documents determined to be responsive to your request as stated above.

Should you have any questions or require additional information, please contact our office at 626-384-5430 or cityclerk@covinaca.gov.

Respectfully,

Fabian Velez
Records Technician

1330 E. CYPRESS AVE
(was 20050 - county)

Annexed 3/20/78

CITY OF COVINA
BUILDING DEPARTMENT (818) 858-7236

BUILDING
PERMIT - APPLICATION

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.
License Class B-1 Lic. Number 207982
Date 11-18-92 Contractor W.F.C.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

☐ I am exempt under Sec. _____, B.&P.C. for this reason _____
Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab.C.).
Policy No. 567591 Company STATE COMP. INS.
☐ Certified copy is hereby furnished.
☒ Certified copy is filed with the county building inspection department or county department.
Date 11-18-92 Applicant W.F.C.

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.
Date _____ Applicant _____
NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

W.F.C. 11-12-92
Signature of Applicant or Agent — Date

Owner: EG&G Power Systems	A. P. N: 8427-001-006
Mailing Address: 1330 E. Cypress Ave	Job Address: 1330 E. Cypress Ave.
City: Covina Zip: 91724	Nearest Cross Street: Glendora Ave
Area Code & Phone: 818-967-9521	Zone: M-1
Contractor: Wm F. (Bill) Odom	Special Conditions: addition of 64.75 Sq. Ft. part of original bldg. square footage which totals 24,700 sq. ft. LA County '77
Address: 334 Rancho El Encino	
City: Covina Zip: 91724	
State Contractors License: 207982	
City Business License:	
Area Code & Phone: 818-966-5882	
Designer: Same	
Address:	
City: Zip:	
State License:	
City Business License:	
Area Code & Phone:	
PROPOSED USE OF PERMIT: Expand old Lobby & Inst. New Store Front Type Glass & Metal Wall - Stub & Ext. On North elevation Only	
Square Footage: 64.75	

BUILDING SETBACK	YARD	HWY.	STREET NAME	EXISTING WIDTH
FRONT P.L.				
SIDE P.L.				73.60
REAR P.L.				

PLANNING DEPARTMENT APPROVAL	D. Wilkinson	DATE 11-18-92
ENGINEERING DIVISION APPROVAL		DATE
BUILDING DEPARTMENT APPROVAL		DATE 11-18-92
FIRE DEPARTMENT APPROVAL		DATE
C.R.A.		DATE
		DATE

VALUATION:	$ 2800.00
~~Contractors~~ License Verification Fee:	$ 1.50
Strong Motion Instrumentation Program:	$ .50
Plan Check Fee: —	$ 71.60
Energy Fee:	$ —
Permit Issuance Fee:	$ 17.00
Permit Fee:	$ 89.50
TOTAL BUILDING PERMIT FEE:	$ 108.50
Zoning Fee:	$ 25.00

APPROVALS	DATE	INSPECTOR'S SIGNATURE
FOUNDATION: LOCATION FORMS, MATERIALS	11-19-92	K.R.
JOISTS AND GIRDERS		
FRAMING		
GYPSUM INTERIOR		
LATH EXTERIOR		
INSUL.		
ROOF SHEATHG		
Grid (seismic)	12-21-92	K.Randall
BLOCK WALL PRE-GROUT		
TEMP. UTILITIES		
HOUSE NUMBER CORRECT AND POSTED		
FINAL APPROVAL	1-5-93	K.R.

11/18 RE 9575 1 TOTAL 121.50

Inspections are required every 180 days, minimum. This permit will expire if inspections are not requested within the minimum time frame. Expired permits require the payment of additional fees. Contact the Building Division at 818-858-7236 for more information.

Plan Check No. 3309-92 Building Permit No. 3310-92

INSPECTOR'S COPY

CITY OF COVINA

BUILDING DEPARTMENT (818) 858-7236

ELECTRICAL

PERMIT-APPLICATION

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B-C Lic. Number 207982

Date 12-22-92 Contractor William F. Olson

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab.C.).

Policy No. 552591 Company State Comp.

☐ Certified copy is hereby furnished.

☒ Certified copy is filed with the county building inspection department or county department.

Date 12-22-92 Applicant William F. Olson

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

William F. Olson 12-21-92

Signature of Applicant or Agent Date

FOR APPLICANT TO FILL IN

	EACH	NO.	FEE
New Residential Bldgs;			
Single Family, Sq. Ft. _____	$ .045	—	$
Multi-family Sq. Ft. _____	.045	—	
Res. Add'n, Sq. Ft. _____	.025		
Outlets; Light, Switch & Receptacle			
FIRST 20	.80		
ADDITIONAL	.50		
Lighting Fixtures			
FIRST 20	.80	2	1 60
ADDITIONAL	.50		
Fixed Appliances Not Over 1 HP			
Range___ Heater___ D.W.___			
Oven___ Dryer___ W.M.___			
Top___ FAU___ W.H.___			
Hood___ Fan___ T.C.___			
Disp.___ A.C.___ M.W.___	3.00		
Power Apparatus & Large Appliances			
Size & Type HP, KW, KVA, or KVAR			
_____ Up to 1 Incl.	3.00		
_____ Over 1 to 10 Incl.	7.50		
_____ Over 10 to 50 Incl.	15.00		
_____ Over 50 to 100 Incl.	30.00		
_____ Over 100	45.00		
Services			
0 - 200 Amp. Under 600 V	18.50		
201 - 1000 Amp. Under 600 V	37.50		
Over 1000 Amp. or Over 600 V	75.00		
Temp. Power Pole & Appurtenances	20.00		
Sign with One Branch Circuit	15.00		
Additional Sign Branch Circuits	3.00		
(Other) Supplement to Building permit #3310-92			
PERMIT FEE (Sub-Total)			1 60
PLAN CHECKING FEE (One-Fourth Permit Fee)			
ISSUING FEE		$	15 00
TOTAL FEE		$	16 60

THIS IS AN ELECTRICAL PERMIT WHEN PROPERLY FILLED OUT, SIGNED AND VALIDATED. PERMIT VOID IF WORK IS NOT COMMENCED WITHIN 180 DAYS OF ISSUANCE.

BUILDING ADDRESS	1330 E. Cypress Ave
NEAREST CROSS STREET	Glendora Ave
OWNER	EG & G Sealol Sys.
MAIL ADDRESS	
CITY	TELEPHONE 967-
ELECTRICIAN	Wm F. Olson
ADDRESS	3342 Rakeo El Encino
CITY	Covina TELEPHONE 966-5887
STATE LICENSE	207982 COVINA BUSINESS LICENSE NUMBER TE-3308

GROUP	ZONE	PROCESSED BY

I ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL CITY AND STATE LAWS REGULATING ELECTRICAL WIRING.

I AM PROPERLY REGISTERED AND/OR LICENSED AS REQUIRED BY THE CITY OF COVINA AND STATE OF CALIFORNIA OR I AM THE LEGAL OWNER OF THE ABOVE DESCRIBED RESIDENTIAL PROPERTY.

PERMITTEE'S SIGNATURE William F. Olson

INSPECTION RECORD

INSPECTIONS	DATE	INSPECTOR'S APPROVAL
TEMP. POWER POLE		
UNDERSLAB WORK		
ROUGH CONDUIT		
WIRING	12-24-92	KR Lee
FIXTURES		
POWER AUTHORIZED		
UTILITY CO. NOTIFIED		
TEMP. CONNECT.		
FINAL	1-5-93	KR Lee

PERMIT NUMBER 4118 YR. 92

12/22 RE 0834 1 TOTAL 16.60

BUILDING INSPECTOR'S COPY

CITY OF COVINA

BUILDING DEPARTMENT (818) 858-7236

BUILDING

PERMIT - APPLICATION

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.
License Class A. Lic. Number 617940
Date 7/20/92 Contractor B+F ENGINEERING

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

☐ I am exempt under Sec. _____, B.&P.C. for this reason _____
Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab.C.).
Policy No. DO 1081465 Company FARMERS INS.

☐ Certified copy is hereby furnished.

☐ Certified copy is filed with the county building inspection department or county _____ department.

Date 7/20/92 Applicant John M Charley

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

John M Charley
Signature of Applicant or Agent

7/20/92
Date

Owner: EG+G ALMOND INSTRUMENT	A. P. N: 8427-001-006
Mailing Address: 1330 E. CYPRESS	Job Address: 1330 E. CYPRESS AVE.
City: COVINA Zip: 91724	Nearest Cross Street:
Area Code & Phone:	Zone / Special Conditions:
Contractor: B+F ENGINEERING	
Address: 16386 CARNELIAN CT.	
City CHINO HILLS Zip: 91709	
State Contractors License: 617940-A.	
City Business License:	
Area Code & Phone: 818-369-6565	
Designer: ~~[illegible]~~	
Address:	
City: Zip:	
State License:	
City Business License:	
Area Code & Phone:	
PROPOSED USE OF PERMIT: FOUNDATION FOR 1,500 GAL NITROGEN TANK.	
Square Footage:	

BUILDING SETBACK	YARD	HWY.	STREET NAME	EXISTING WIDTH
FRONT P.L.				
SIDE P.L.				
REAR P.L.				

PLANNING DEPARTMENT APPROVAL	DATE
ENGINEERING DIVISION APPROVAL	DATE
BUILDING DEPARTMENT APPROVAL	DATE
FIRE DEPARTMENT APPROVAL	DATE
C.R.A.	DATE
	DATE

APPROVALS	DATE	INSPECTOR'S SIGNATURE
FOUNDATION: LOCATION FORMS, MATERIALS		
JOISTS AND GIRDERS		
FRAMING		
GYPSUM INTERIOR		
LATH EXTERIOR		
INSUL.		
ROOF SHEATHG		
BLOCK WALL PRE-GROUT		
TEMP. UTILITIES		
HOUSE NUMBER CORRECT AND POSTED		
FINAL APPROVAL		

EXPIRED 1-20-93 NO PERMIT ISSUED

VALUATION:	$ 5,000.
Contractors License Verification Fee:	$
Strong Motion Instrumentation Program:	$
Plan Check Fee:	$ 88.40
Energy Fee:	$
Permit Issuance Fee:	$ 17.00
Permit Fee:	$
TOTAL BUILDING PERMIT FEE:	$
Zoning Fee:	$

Inspections are required every 180 days, minimum. This permit will expire if inspections are not requested within the minimum time frame. Expired permits require the payment of additional fees. Contact the Building Division at 818-858-7236 for more information.

07/20 RE 4060 1 TOTAL 88.40

Plan Check No. 99631-92 Building Permit No. _____

INSPECTOR'S COPY

76A 642L CE808 B-7/76

APPLICATION FOR PERMIT
SEWER—SEWAGE DISPOSAL

1

FOR APPLICANT TO FILL IN

BUILDING ADDRESS: 20050 E. CYPRESS AVE.
LOCALITY: COVINA
NEAREST CROSS ST.: GLENDORA, CA.
OWNER: ALMOND INSTRUMENTS
MAIL ADDRESS: 1223 E. EDNA PL.
CITY: COVINA TEL. NO.
LEGAL DESCRIPTION LOT NO.: PORTION OF LOT 1
BLOCK TRACT: C. V. HEYLER
SIZE OF LOT: MB B-42 NO. OF BLDGS. NOW ON LOT
USE OF BUILDINGS: MANUFACTURING
CONTRACTOR: T.M. FARNAN CO. INC.
ADDRESS: 5130 HEINTZ ST.
CITY: BALDWIN PARK. NO.: 967513
STATE LICENSE NO.: 298016 LIC CLASS: C-36

NO.	DESCRIPTION OF WORK	FEE	
1	HOUSE SEWER CONNECTING TO PUBLIC SEWER @	11	00
	SEPTIC TANK, SEEPAGE PIT OR PITS AND/OR DRAINFIELD @		
	HOUSE SEWER CONNECTING TO PRIVATE DISPOSAL SYSTEM @		
	CONNECT ADDITIONAL BLDG. OR WORK TO HOUSE SEWER @		
	OVERFLOW SEEPAGE PIT, DRAINFIELD EXTN., CESSPOOL, DRYWELL, MANHOLE @		
	ALTER, REPAIR OR ABANDON HOUSE SEWER OR DISPOSAL SYSTEM @		
	Issuance Fee $	6	00
	TOTAL FEE	17	00

OWNER'S AUTHORIZATION

I HAVE AT THIS DATE A CONTRACT WITH THE HEREIN NAMED CONTRACTOR TO CONNECT THE ABOVE DESCRIBED EXISTING DWELLING TO THE PUBLIC SEWER.

SIGNED THIS _____ DAY OF _____ 19____

OWNER OR OWNERS AGENT _____

ADDRESS _____

DISTRICT NO.	GROUP	MAP BK	MAP PG	PROCESSED BY
10	F			Dawn

CONNECTION DATA

STATION DEPTH

MANHOLE REFERENCE — UPPER / LOWER

TYPE OF CONNECTION Y. CURB P.L. LENGTH FROM M.L. TO P.L.

CO. IMP. NO. P.C. NO. JOB NO.

TRUNK PERMIT NO. ROAD PERMIT NO.

AFFIDAVIT	WAIVER	EASEMENT	RECORD. INSTR. NO.	DATE

HWY. OR ST. WIDENING

STATE ENCROACHMENT PERMIT NO.

INDUSTRIAL WASTE APPROVAL

CHARGES

CONNECTION CHARGE FEE

REIMBURSEMENT FEE

APPROVALS	DATE	INSPECTOR'S SIGNATURE
NEW HOUSE SEWER	11/14/71	C
CONNECT ADDITIONAL BUILDING OR WORK		
SEPTIC TANK, SEEP. PIT(S) AND/OR DRAINFIELD		
CESSPOOL ☐ DRYWELL ☐		
ALTER, REPAIR, SEWER OR SEWAGE DISPOSAL SYSTEM		
DISCONNECT PLUG AND ABANDON HOUSE SEWER		
BACKFILL SEPTIC TANKS ☐ SEEP. PIT(S) ☐ CESSPOOLS ☐		

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL COUNTY ORDINANCES AND STATE LAWS REGULATING PLUMBING AND SEWERS.

I HEREBY CERTIFY THAT I AM PROPERLY REGISTERED AND/OR LICENSED AS REQUIRED BY LOS ANGLES COUNTY AND STATE OF CALIFORNIA OR THAT I AM THE LEGAL OWNER OF, AND INTEND TO RESIDE IN, THE ABOVE DESCRIBED RESIDENTIAL PROPERTY.

SIGNATURE OF PERMITTEE Theodore M. Farnan

VALIDATION

CK. M.O. CASH

over →

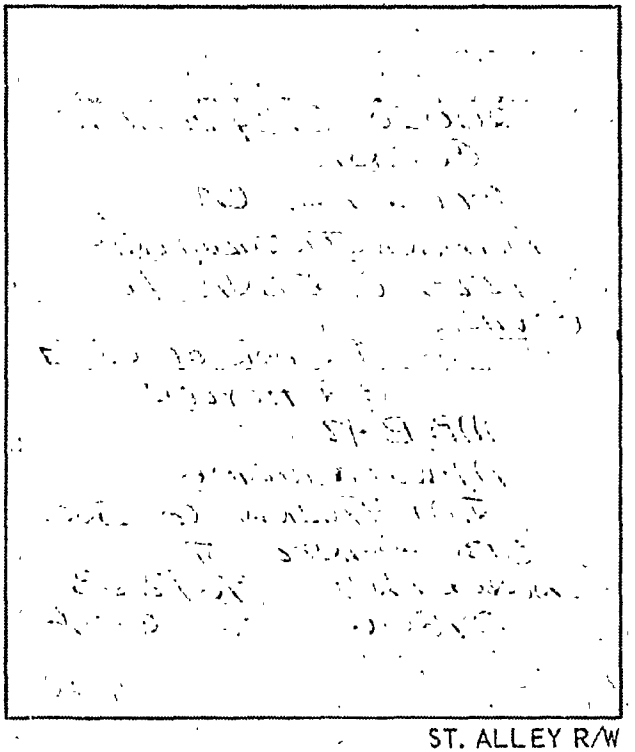
INSPECTOR COPY

CO 3857 72877 10 17.00 #

FOR DEPARTMENT USE

REQUIRED INFORMATION

1. INDICATE ALL BUILDINGS ON PROPERTY.
2. INDICATE AND DIMENSION SEWAGE DISPOSAL SYSTEM WITH TIE DISTANCES TO BUILDINGS AND PROPERTY LINES.
3. INDICATE SIZE OF SEPTIC TANK–DEPTH OF SEEPAGE PIT(S)–SIZE OF CESSPOOL(S).
4. INDICATE NORTH DIRECTION ON PLOT.
5. INDICATE BOTH STREETS IF CORNER.



ST. ALLEY R/W

FIELD NOTES: 11/4/77 OK to cover 4" VCP bldg. sewer lateral. @ 4" C.I. laterals approx. 12 ft. long extending westerly to 4" VCP. not installed. @ 4" C.I. risers for C.O.'s not in. CL

11/07/77 Same as above. CL

76A 67A (CE & L7B) - 11/76

1

APPLICATION FOR PLUMBING PERMIT

BUILDING AND SAFETY DIVISION

FOR APPLICANT TO FILL IN (PRINT OR TYPE)

NUMBER	FIXTURE OR ITEM	@	FEE
10	WATER CLOSET		30 00
	BATH TUB		
	SHOWER		
8	LAVATORY		24 00
2	SINK		6 00
	DISHWASHER		
	CLOTHES WASHER		
	SWIMMING POOL RECEPTOR		
	LAWN SPRINKLER SYSTEM		
1	WATER HEATER		3 00
1	GAS SYSTEM 2 OUTLETS		3 00
	OUTLETS OVER 5 PER SYSTEM		
2	DR. FOUNTAIN		6 00

Plan check fee	
PLUMBING PERMIT ISSUING FEE $	6 00
TOTAL FEE	78 00

Plan check applicant

Name

Address

City Tel. No.

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL COUNTY ORDINANCES AND STATE LAWS REGULATING PLUMBING.

I HEREBY CERTIFY THAT I AM PROPERLY REGISTERED AND/OR LICENSED AS REQUIRED BY LOS ANGELES COUNTY AND STATE OF CALIFORNIA OR THAT I AM THE LEGAL OWNER OF, AND INTEND TO RESIDE IN THE ABOVE DESCRIBED RESIDENTIAL PROPERTY.

SIGNATURE OF PERMITTEE Joseph M. Farnan

BUILDING ADDRESS	20050 E. CYPRESS AVE.
LOCALITY	COVINA
NEAREST CROSS ST.	GLENDORA AVE.
OWNER	ALMOND INSTRUMENTS
MAIL ADDRESS	1223 E. EDNA PL
CITY	COVINA TEL. NO.
CONTRACTOR	J.M. FARNAN CO. INC.
ADDRESS	5130 HEINTZ ST.
CITY	BALDWIN PARK TEL. NO. 9672513
STATE LICENSE NO.	298016 LIC. CLASS C-36

DISTRICT NO.	GROUP	ZONE	PROCESSED BY

INDUSTRIAL WASTE APPROVAL

INSPECTION RECORD

APPROVALS	DATE	INSPECTOR'S SIGNATURE
UNDER SLAB WORK Soil	7/28/77	
ROUGH PLUMBING	9/26/77	
GAS PIPING		
GAS VENT	11/09/77	
HOT WATER HEATER	11/4/77	
PLUMBING FIXTURES	11/21/77	
GAS TEST B.L. 11/14/77	11/09/77	
UTILITY CO. NOTIFIED	12/5/77	
FINAL		

INSPECTOR COPY

PLAN CHECK VALIDATION CK. M.O. CASH

PERMIT VALIDATION CK. M.O. CASH

LA CO 3056 72877 5 78.00 #

76A364C (CE - 818 B) - 11/76

APPLICATION FOR PERMIT
HEATING - VENTILATING - AIR CONDITIONING

1

BUILDING AND SAFETY DIVISION

FOR APPLICANT TO FILL IN
(PRINT OR TYPE ONLY)

NO	TYPE OF APPLIANCE OR EQUIPMENT	FEE
	ABSORPTION UNIT, BTU	
	AIR HANDLING UNIT, CFM	
	BOILER, BTU	
8	COMPRESSOR, BTU 90,000	80 00
6	~~VENTILATION SYSTEM~~	
	EVAPORATIVE COOLER	
8	FURNACE FAU ___ GRAVITY ___ FLOOR ___ BTU 150,000	120 00
12	HEATER SUSPENDED ___ UNIT ___ WALL ___	
1	- 60,000 Cooling	10 00
1	- 120,000 Heat.	15 00
Plan check fee 25% of above		
	PERMIT ISSUING FEE $	6 00
	TOTAL FEE	231 00

PLAN CHECK APPLICANT

NAME

ADDRESS

CITY TEL NO

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL ORDINANCES AND LAWS REGULATING HEATING, VENTILATING, AIR CONDITIONING

I HEREBY CERTIFY THAT I AM NOT ACTING IN VIOLATION OF CHAPTER 9, DIVISION 3, OF THE BUSINESS AND PROFESSIONAL CODE OF THE STATE OF CALIFORNIA

SIGNATURE OF PERMITTEE Jim Bradley

PLAN CHECK VALIDATION CK MO CASH

BUILDING ADDRESS 20050 E. Cypress

LOCALITY Covina

NEAREST CROSS ST Glendora

OWNER Almond Inst. Co.

MAIL ADDRESS 20050 E. Cypress

CITY Covina TEL. NO

CONTRACTOR P.G.S. A/C Co.

ADDRESS 3714 Tyler Ave

CITY El Monte TEL. NO 579-2673

STATE LICENSE NO 275836 LIC CLASS C-20

DISTRICT NO	GROUP	ZONE	PROCESSED BY
10	F		

INSPECTION RECORD

2/14/78 Heating & A/C ducts extended into new work room under new storage area Const. Southeasterly end of exist. bldg. CL

APPROVALS	DATE	INSPECTOR S SIGNATURE
ROUGH	12/5/77	CL
FINAL		

PERMIT VALIDATION CK MO CASH

INSPECTOR COPY

US 6152 100377 41 231.00 #

Ps

WORKER'S COMPENSATION CERTIFICATION

I certify that I will be responsible for the work to be done under this permit and that in the performance of the work for which this permit is issued I shall not employ any person in any manner so as to become subject to the Worker's Compensation laws of California

I further certify that if during the course of construction under this permit I should become subject to Worker's Compensation requirements, I will file the required certificate of insurance and certify that failure to do so will necessitate suspension of the permit I have received an explanation of the limits and conditions of this certificate and have read and fully understand them.

Signature Jack Bradley

Title PRES.

Date 10/3/77

76A663 (7-806R 8/76

APPLICATION FOR ELECTRICAL PERMIT

1

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
BUILDING AND SAFETY DIVISION

FOR APPLICANT TO FILL IN	EACH	NO.	FEE
New Residential Bldgs. & Pools			
1 & 2-Family, Sq. Ft. _____	$ .025	—	$
Multi-family Sq. Ft. _____	.02	—	
Residential Swimming Pools	20.00		
Outlets: Rec. ___ Light ___ Sw. ___			
First 20	.50		
Total No. _____ Additional	.30		
Lighting Fixtures First 20	.50		
Total No. _____ Additional	.30		
Fixed Appliances Not Over 1 HP			
Range ___ Heater ___ D.W. ___			
Oven ___ Dryer ___ W.M. ___			
Top ___ FAU ___ W.H. ___			
Hood ___ Fan ___ Other ___			
Disp. ___ Room Air Cond. ___	2.00		
Power Apparatus & Large Appliances			
Size & Type HP, KW, KVA, or KVAR			
_____ Up to 1 Incl.	2.00		
_____ Over 1 to 10 Incl.	5.00		
_____ Over 10 to 50 Incl.	10.00		
_____ Over 50 to 100 Inc.	20.00		
_____ Over 100	30.00		
Services			
0 - 200 Amp. Under 600 V	12.50		
201-1000 Amp. Under 600 V	25.00		
Over 1000 Amp. or Over 600 V	50.00		
Temp. Power Pole & Appurtenances	10.00		10 00
Sign with One Branch Circuit	10.00		
Additional Sign Branch Circuits	2.00		
Misc. Conduits & Conductors	15.00		
Other (See Complete Fee Schedule) _____			
PERMIT FEE (Sub-Total)			
PLAN CHECKING FEE (One-Fourth Permit Fee)			
PERMIT ISSUING FEE $6.00			6 00
TOTAL FEE			16.00

JOB ADDRESS	20050 CYPRESS
LOCALITY	COVINA
NEAREST CROSS ST.	GLENDORA AVE
OWNER OR FIRM NAME	ALMOND INSTRUMENTS
MAIL ADDRESS	1223 E EDNA PL
CITY	COVINA Tel. No. 967 4151
PLAN CHECK APPLICANT	KELLER CONST. CO. INC
ADDRESS	9950 E BALDWIN PL.
CITY	EL MONTE Tel. No. 443 6633
PERMIT APPLICANT	KELLER CONST CO. INC
ADDRESS	9950 E BALDWIN PL
CITY	EL MONTE Tel. No. 443 6633
LICENSE OR REG. NUMBER	258713 Class. B

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL COUNTY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I HEREBY CERTIFY THAT I AM PROPERLY REGISTERED AND/OR LICENSED AS REQUIRED BY LOS ANGELES COUNTY AND STATE OF CALIFORNIA OR THAT I AM THE LEGAL OWNER OF THE ABOVE DESCRIBED RESIDENTIAL PROPERTY.

PERMITTEE SIGNATURE _____

DISTRICT NO. _____ PROCESSED BY _____

APPROVALS	DATE	INSPECTOR'S SIGNATURE
TEMP. POWER POLE	7/29/77	
UNDERSLAB WORK		
ROUGH CONDUIT		
WIRING	10/5/77	Rodal
FIXTURES		
POWER AUTHORIZED		
UTILITY CO. NOTIFIED		
FINAL		

NOTES

INSPECTOR COPY

PLAN CHECK VALIDATION CK. M.O. CASH

PERMIT VALIDATION CK. M.O. CASH

CO 3814 72677 2 16.00 #

SEE BACK OF APPLICATION FOR COMPLETE SCHEDULE

Ps

76A663 CE. 806R 10/77

APPLICATION FOR ELECTRICAL PERMIT

1

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
BUILDING AND SAFETY DIVISION

FOR APPLICANT TO FILL IN	EACH	NO.	FEE
New Residential Bldgs. & Pools			
1 & 2-Family, Sq. Ft.	$ .025	—	$
Multi-family Sq. Ft.	.02	—	
Residential Swimming Pools	25.00		
Outlets: Rec. 67 Light ___ Sw. 32			
Total No. 99 First 20	.50		10 00
Additional	.30		23 70
Lighting Fixtures 75 First 20	.50		10 00
Total No. ~~60~~ Additional	.30		~~12 00~~
			16 50
Fixed Appliances Not Over 1 HP.			
Range ___ Heater ___ D.W. ___			
Oven ___ Dryer ___ W.M. ___			
Top ___ FAU ___ W.H. ___			
Hood ___ Fan ___ Other ___			
Disp. ___ Room Air Cond. ___	2.50		
Power Apparatus & Large Appliances			
Size & Type HP, KW, KVA, or KVAR			
___ Up to 1 Incl.	2.50		
8 A/C Over 1 to 10 Incl.	5.00		40 00
___ Over 10 to 50 Incl.	12.50		
2 Over 50 to 100 Inc.	25.00		50 00
___ Over 100	40.00		
Services			
0 - 200 Amp. Under 600 V	12.50		
201 - 1000 Amp. Under 600 V	25.00		
Over 1000 Amp. or Over 600 V	50.00		
Temp. Power Pole & Appurtenances	10.00		
Sign with One Branch Circuit	10.00		
Additional Sign Branch Circuits	2.00		
Misc. Conduits & Conductors	10.00		
Other (See Complete Fee Schedule) ___			
PERMIT FEE (Sub-Total)			150 20
PLAN CHECKING FEE (One-Fourth Permit Fee)			
PERMIT ISSUING FEE $7.00			7 —
TOTAL FEE			157 20

PLAN CHECK VALIDATION	CK.	M.O.	CASH

JOB ADDRESS 20050 E. CYPRESS
LOCALITY COVINA
NEAREST CROSS ST. GLENDORA
OWNER OR FIRM NAME ALMOND INST.
MAIL ADDRESS 1223 E. EDNA PL
CITY COVINA Tel. No. 967 4151
PLAN CHECK APPLICANT
ADDRESS
CITY Tel. No.
PERMIT APPLICANT DOVAL ELECTRIC INC
ADDRESS 935 DEERFLATS DR
CITY SAN DIMAS Tel. No. 599 6457
LICENSE OR REG. NUMBER 283214 Class. C10

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL COUNTY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I HEREBY CERTIFY THAT I AM PROPERLY REGISTERED AND/OR LICENSED AS REQUIRED BY LOS ANGELES COUNTY AND STATE OF CALIFORNIA OR THAT I AM THE LEGAL OWNER OF THE ABOVE DESCRIBED RESIDENTIAL PROPERTY.

PERMITTEE SIGNATURE [signature]

DISTRICT NO. 10 PROCESSED BY Dawn

APPROVALS	DATE	INSPECTOR'S SIGNATURE
TEMP. POWER POLE		
~~UNDERSLAB WORK~~ Commercial Metal Stud Partn.	11/29/77	
ROUGH CONDUIT Factory area	12/14/77	
WIRING Factory area 12/14/77	12/5/77	
FIXTURES	12/6/77	
POWER AUTHORIZED		
UTILITY CO. NOTIFIED		
FINAL		

NOTES 2/8/78 Addit. wiring in flex & EMT + 2 sub panels adjacent to & in rooms at new storage area framing S end ok. C

INSPECTOR COPY

PERMIT VALIDATION	CK.	M.O.	CASH

SEE BACK OF APPLICATION FOR COMPLETE SCHEDULE

11/29/77 .2 157.20 #

76A663 CE-806R 9/76

APPLICATION FOR ELECTRICAL PERMIT

1

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
BUILDING AND SAFETY DIVISION

JOB ADDRESS 20050 E. CYPRESS
LOCALITY COVINA
NEAREST CROSS ST. GLENDORA
OWNER OR FIRM NAME ALMOND INSTRUMENTS
MAIL ADDRESS
CITY Tel. No.
PLAN CHECK APPLICANT
ADDRESS
CITY Tel. No.
PERMIT APPLICANT AL HANSEN ELECTRIC INC
ADDRESS 1122 PRICE ST
CITY POMONA Tel. No 714-623-6341
LICENSE OR REG. NUMBER 280269 Class. C-10

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL COUNTY ORDINANCES AND STATE LAWS REGULATING ELECTRICAL WIRING.

I HEREBY CERTIFY THAT I AM PROPERLY REGISTERED AND/OR LICENSED AS REQUIRED BY LOS ANGELES COUNTY AND STATE OF CALIFORNIA OR THAT I AM THE LEGAL OWNER OF THE ABOVE DESCRIBED RESIDENTIAL PROPERTY.

PERMITTEE SIGNATURE Alhansen

FOR APPLICANT TO FILL IN

	EACH	NO.	FEE
New Residential Bldgs. & Pools			
1 & 2-Family, Sq. Ft.	$ .025	—	$
Multi-family Sq. Ft.	.02	—	
Residential Swimming Pools	20.00		
Outlets: Rec. 28 Light 15 Sw. 11			
Total No. 54 First 20	.50	20	10 00
Additional	.30	34	10 20
Lighting Fixtures First 20	.50	20	10 00
Total No. 27 Additional	.30	7	2 10
Fixed Appliances Not Over 1 HP			
Range — Heater — D.W. —			
Oven — Dryer — W.M. —			
Top — FAU — W.H. —			
Hood — Fan 4 Other —			
Disp. — Room Air Cond. —	2.00	4	8 00
Power Apparatus & Large Appliances			
Size & Type HP, KW, KVA, or KVAR			
— Up to 1 Incl.	2.00		
1 Over 1 to 10 Incl.	5.00	1	5 00
1 Over 10 to 50 Incl.	10.00	1	10 00
— Over 50 to 100 Inc.	20.00		
— Over 100	30.00		
Services			
0 - 200 Amp. Under 600 V	12.50		
201 - 1000 Amp. Under 600 V	25.00	1	25 00
Over 1000 Amp. or Over 600 V	50.00		
Temp. Power Pole & Appurtenances	10.00		
Sign with One Branch Circuit	10.00		
Additional Sign Branch Circuits	2.00		
Misc. Conduits & Conductors	15.00		
Other (See Complete Fee Schedule)			
PERMIT FEE (Sub-Total)			80 30
PLAN CHECKING FEE (One-Fourth Permit Fee)			
PERMIT ISSUING FEE $6.00			6 00
TOTAL FEE			$86.30

DISTRICT NO. 10 PROCESSED BY

APPROVALS	DATE	INSPECTOR'S SIGNATURE
TEMP. POWER POLE		
UNDERSLAB WORK		
ROUGH CONDUIT		
WIRING	12/5/77	RODALL
FIXTURES	12/14/77	O
POWER AUTHORIZED Temporary Serv.	11/22/77	
UTILITY CO. NOTIFIED		
FINAL		

NOTES

INSPECTOR COPY

PLAN CHECK VALIDATION CK. M.O. CASH

PERMIT VALIDATION CK M.O. CASH

CO 5751 9-2277 2 86.30 #

SEE BACK OF APPLICATION FOR COMPLETE SCHEDULE

CITY OF COVINA
BUILDING DEPARTMENT
331-0111

APPLICATION FOR PERMIT
HEATING - VENTILATING - AIR CONDITIONING

OWNER: Almond Industries
MAIL ADDRESS: 1330 E. Cypress.
CITY: Covina TELEPHONE:
CONTRACTOR: D.C Industrial
ADDRESS: 2021 E Edgestone
CITY: Glendora TELEPHONE: 967-4011
STATE LICENSE: C-332037 COVINA BUSINESS LICENSE:

BUILDING ADDRESS: 1330 E Cypress
NEAREST CROSS STREET: Grand

MAP NO.	GROUP	TYPE CONST.	PROCESSED BY

ZONE:
SPECIAL CONDITIONS:

BUILDING SETBACK	YARD	HWY.	STREET NAME	EXISTING WIDTH
FRONT P.L.				
SIDE P.L.				
REAR P.L.				

PLANNING DEPARTMENT APPROVAL	DATE
ENGINEERING DIVISION APPROVAL	DATE
HEALTH DEPARTMENT APPROVAL	DATE
FIRE DEPARTMENT APPROVAL	DATE
	DATE

NO.	TYPE OF APPLIANCE OR EQUIPMENT	FEE
	ABSORPTION SYSTEM, BTU	
	AIR HANDLING UNIT, CFM	
	BOILER, HORSEPOWER	
	COMPRESSOR, HORSEPOWER	
	VENTILATION SYSTEM	
	EVAPORATIVE COOLER	
	FURNACE: FAU ___ GRAVITY ___ FLOOR ___ BTU ___	
	HEATER: SUSPENDED ___ UNIT ___ WALL ___	
	Air Cooling Type Unit	
	BTU: 17,500	10 00
	NEW ___ ADDITION ___ PERMIT $	6 00
	ALTER ___ REPAIR ___ TOTAL FEE $	16 00

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL ORDINANCES AND STATE LAWS REGULATING HEATING, VENTILATING, AIR CONDITIONING.

I HEREBY CERTIFY THAT I AM NOT ACTING IN VIOLATION OF CHAPTER 9, DIVISION 3, OF THE BUSINESS AND PROFESSIONAL CODE OF THE STATE OF CALIFORNIA.

SIGNATURE OF PERMITTEE: Andrew M. Anderson

INSPECTION RECORD

WORKMEN'S COMPENSATION INSURANCE
CARRIER:
POLICY NUMBER:
EXPIRATION DATE:

APPROVALS	DATE	INSPECTOR'S SIGNATURE
ROUGH		
FINAL	2-12-80	

THIS IS A BUILDING PERMIT WHEN PROPERLY FILLED OUT, SIGNED AND VALIDATED.
PERMIT VOID IF WORK IS NOT COMMENCED WITHIN 120 DAYS OF DATE OF ISSUANCE.

Plan Check Validation: 49697 OCT 31 79 P
Permit Validation: 16.00 R

BUILDING INSPECTOR'S COPY

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B Lic. Number 381880.

Expiration Date 9/30/03 Contractor CLOTWORTHY.

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

☐ I am exempt under Sec. _____ B.& P.C.

for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

___ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work which this permit is issued.

___ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers compensation insurance carrier and policy number are:

CARRIER Bouse Sheffield Ins. Services

POLICY NUMBER SCP037185O

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

___ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code. I shall forthwith comply with those provisions.

DATE _____ APPLICANT _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000). IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CITY OF COVINA

BUILDING DIVISION (626) 858-7236

BUILDING

PERMIT APPLICATION

OWNER PERKIN ELMER	JOB ADDRESS 1330 E. CYPRESS
MAILING ADDRESS 1330 E. CYPRESS	ZONE M-1 / SPECIAL CONDITIONS ACU 01-017 Conditions of approval apply. (2) BASE TRANSCEIVER STATIONS (BTS) WITH (1) TELCO, (1) PANEL, (6) DIRECTIONAL ANTENNAS MOUNTED BEHIND FIBERGLASS SCREENS TO MATCH EXISTING.
CITY COVINA ZIP 91724	
AREA CODE & PHONE [redacted] - 626-967-9521	
CONTRACTOR	SCHOOL FEES
MAILING ADDRESS	VALUATION $ 30,000.
CITY ZIP	CONTRACTOR'S LICENSE VERIFICATION FEE $ 15.00
AREA CODE & PHONE	PLAN MAINTENANCE FEE $ 6.41
DESIGNER BOJORQUEZ & ANDERSON	STRONG MOTION INSTRUMENTATION PROGRAM $ 0
MAILING ADDRESS 3185 AIRWAY AVE. #H	PLAN CHECK FEE PAID 7/26/01 $256.40
CITY COSTA MESA ZIP 92626	ENERGY FEE $ ~~17.00~~
AREA CODE & PHONE 714 - 444-3030	PERMIT ISSUANCE FEE $ 17.00
STATE LIC. NO. C-9702	PERMIT FEE $320.50
PROPOSAL CINGULAR CELL SITE W/ (6) ANTENNAS & (2) BTS EQUIP. CABINETS	TOTAL BUILDING PERMIT FEE $337.50
SQUARE FOOTAGE 300.	ZONING FEE PAID ACU01-017 0

BUILDING Lycett Bal	DATE 9/19/01	
ENGINEERING	DATE	
FIRE DEPT.	DATE	
PLANNING L. Williams	DATE	

APPROVALS Base + Panels	DATE	INSPECTOR'S SIGNATURE
FOUNDATION: LOCATION, FORMS, MATERIALS	10/29/01	GJ.
JOISTS & GIRDERS		
SHEAR PANEL		
FRAMING		
GYPSUM INTERIOR		
LATH EXTERIOR		
INSULATION		
ROOF SHEATHING		
UNDERFLOOR INSUL.		
BLOCKWALL PRE-GROUT		
SMOKE DETECTORS		
HOUSE NUMBER CORRECT & POSTED		
FINAL APPROVAL	11/7/01	GJ

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)

LENDER'S NAME _____

LENDER'S ADDRESS _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

Inspections are required every 180 days, minimum. This permit will expire if inspections are not requested within the minimum time frame. Expired permits require the payment of additional fees. Contact the Building Division at (626) 858-7236 for inspections.

X Dave Sa 10-2-01

SIGNATURE OF APPLICANT OR AGENT — DATE

PLAN CHECK NO. 33617.01

BUILDING PERMIT NO. 34550 01

INSPECTOR'S COPY

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B Lic. Number 381880

Expiration Date 9/30/03 Contractor CLOTWORTHY

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

☐ I am exempt under Sec. _____ B.& P.C.

for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

___ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work which this permit is issued.

___ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

CARRIER Bouse Sheffield Ins. Services

POLICY NUMBER SCP037185O

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

___ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code. I shall forthwith comply with those provisions.

DATE _____ APPLICANT _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000). IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CITY OF COVINA

BUILDING DIVISION (626) 858-7236

ELECTRICAL

PERMIT APPLICATION

OWNER	Perkin Elmer
MAILING ADDRESS	1330 E. Cypress
CITY	Covina ZIP 91724
AREA CODE & PHONE	626-967-9521
ELECTRICIAN	Live Wire Elect.
MAILING ADDRESS	7649 Red Mtn. Dr.
CITY	Riverside - 92509
AREA CODE & PHONE	909-360-9909

INSPECTION RECORD

Antenna gnd. / Bonding 10/29/01 JD.

INSPECTIONS	DATE	INSPECTOR'S APPROVAL
TEMP. POWER POLE		
UNDERSLAB WORK		
ROUGH CONDUIT		
WIRING		
FIXTURES		
POWER AUTHORIZED		
UTILITY CO. NOTIFIED	10/31/01	JD.
TEMP. CONNECT		
FINAL	11/7/01	JD.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)

LENDER'S NAME _____

LENDER'S ADDRESS _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

_____ _____

SIGNATURE OF APPLICANT OR AGENT DATE

Inspections are required every 180 days, minimum. This permit will expire if inspections are not requested within the minimum time frame. Expired permits require the payment of additional fees. Contact the Building Division at (626) 858-7236 for inspections.

JOB ADDRESS 1330 E. CYPRESS

BUILDING ISSUANCE Daycett Bud DATE 10/3/01

	EACH	NO.	FEE
NEW BLDGS.			
Single Family, Sq. Ft. _____	$ .050	—	$
Multi-Family, Sq. Ft. _____	.045	—	
Res. Add'n, Sq. Ft. _____	.025		
Commercial, Sq. Ft. _____	.025		
OUTLETS: LIGHT, SWITCH & RECEPTACLE			
First 20	1.00	12	2.00
Additional	.65		
LIGHTING FIXTURES			
First 20	1.00		
Additional	.65		
FIXED APPLIANCES NOT OVER 1 HP			
Range ___ Heater ___ D.W. ___			
Oven ___ Dryer ___ W.M. ___			
Top ___ FAU ___ W.H. ___			
Hood ___ Fan ___ T.C. ___			
Disp. ___ A.C. ___ M.W. ___	4.25		
POWER APPARATUS & LARGE APPLIANCES			
Size & Type HP, KW, KVA, or KVAR			
2 Up to 1 Incl.	4.25	2	8.50
_____ Over 1 to 10 Incl.	11.00		
_____ Over 10 to 50 Incl.	22.00		
_____ Over 50 to 100 Incl.	44.25		
_____ Over 100	66.50		
SERVICES 100 AMP			
0 - 200 Amp. Under 600 V	27.25	1	27.25
201 - 1000 Amp. Under 600 V	55.50		
Over 1000 Amp. or Over 600 V	111.00		
TEMP. POWER POLE & APPURTENANCES	22.00		
ONE BRANCH CIRCUIT	22.00		
ADDITIONAL BRANCH CIRCUITS	4.25		
OTHER			
PERMIT FEE (Sub-Total)			37.75
PLAN CHECKING FEE (One-Fourth Permit Fee)			
ISSUING FEE		$	17.00
TOTAL FEE		$	54.75

PLAN CHECK NO. _____

ELECTRICAL PERMIT NO. 34765.01

INSPECTOR'S

APPLICATION FOR BUILDING PERMIT

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
BUILDING AND SAFETY DIVISION

1

FOR APPLICANT TO FILL IN

BUILDING ADDRESS 20050 E CYPRESS AVE
CITY COVINA, CAL ZIP
SIZE OF LOT NO OF BLDGS NOW ON LOT
TRACT BLOCK LOT NO
OWNER Almond Doctrumm TEL NO
ADDRESS 321 E. Gardena Blvd.
CITY Gardena ZIP 90247
ARCHITECT OR ENGINEER TEL NO
ADDRESS
CONTRACTOR Cosco Fire Prot TEL NO
ADDRESS LIC NO 27116
CITY LIC CLASS C-16
CONSTRUCTION LENDER NAME AND BRANCH
ADDRESS CITY

SQ FT SIZE	NO OF STORIES	NO OF FAMILIES

DESCRIPTION OF WORK Add. fire sprinklers for office

CHECK ONE: NEW ☐ ADD ☐ ALTER ☐ REPAIR ☐ DEMOL ☐

USE OF EXISTING BLDG
APPLICANT (PRINT) TEL NO
BY (SIGNATURE)

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL ORDINANCES AND LAWS REGULATING BUILDING CONSTRUCTION. I CERTIFY THAT IN DOING THE WORK AUTHORIZED HEREBY I WILL NOT EMPLOY ANY PERSON IN VIOLATION OF THE LABOR CODE OF THE STATE OF CALIFORNIA IN RELATING TO WORKMEN'S COMPENSATION INSURANCE.

Cosco Fire Prot
SIGNATURE OF PERMITTEE Austin E Woodson
ADDRESS 321 E. Gardena Blvd
CITY Gardena TEL NO 321 3155

VALUATION $

PLAN CHECK VALIDATION CK. MO CASH

BUILDING ADDRESS 20050 E. Cypress Ave
LOCALITY Covina, Ca.
NEAREST CROSS ST Glendora
ASSESSOR MAP BOOK PAGE PARCEL

DISTRICT	GROUP	TYPE CONST	FIRE ZONE	PROCESSED BY
10	B			Sam

STATISTICAL CLASSIFICATION CLASS NO 19 DWELL UNITS
SEWER MAP BK PG
USE ZONE M-1
MAP NO 147-329
SPECIAL CONDITIONS
ROAD DEPARTMENT APPROVAL REQUIRED YES ☐ NO ☒
BLDG SETBACK FROM FRONT PROP LINE OF (STREET)

HIGHWAY + YARD =	TOTAL SETBACK FROM FRONT PROP LINE	TYPE OF HIGHWAY	EXISTING WIDTH
+ =			

BLDG SETBACK FROM SIDE PROP LINE OF Fenwy (STREET)

HIGHWAY + YARD =	TOTAL SETBACK FROM SIDE PROP LINE	TYPE OF HIGHWAY	EXISTING WIDTH
+ =			

CORNER CUTOFF YES ☐ NO ☐
IN OPEN SPACE YES ☐ NO ☐
IN COASTAL PERMIT ZONE YES ☐ NO ☐

FINAL DATE BY

P C Fee $

Permit Fee	6.00
Issuance Fee	7.00
Total Fee	13.00

PERMIT VALIDATION CK. MO CASH

55 [illegible] 121477 1 13.00 #

INSPECTOR COPY

Ps 76A638A CE #803A 6/76

PLANS TO APPLICANT				
TO		RETURNED		APPROVED
NO	DATE	NO	DATE	

APPROVALS	REQUIRED		DATE RECEIVED OR APPROVED
	YES	NO	
WATER CERTIFICATE			
HEALTH DEPARTMENT			
FIRE DEPARTMENT			
GRADING			
GEOLOGICAL			
PEDESTRIAN PROTECTION (FENCE) (CANOPY)			
SPECIAL INSPECTION (CONC.) (MASNRY) (WELDG)			
LOT DRAINAGE			
PARKING			

APPROVALS	DATE	INSPECTOR S SIGNATURE
LOCATION (SETBACK & YARDS)		
FOUNDATIONS		
FRAME	12/7/77	OK
LATH/DRYWALL INTERIOR		
LATH EXTERIOR		
HOUSE NUMBER CORRECT & POSTED		
FINAL ENTER ON FRONT		

INSPECTOR S NOTES

2/9/78 Fire sprinklers extended down into new work rms. under new storage mezz. southeast end of exist. bldg.
OK

CITY OF COVINA
BUILDING DIVISION (626) 858-7236

BUILDING
PERMIT APPLICATION

OWNER	EG+G Power Systems
MAILING ADDRESS	1330 E. Cypress St
CITY	Covina Ca ZIP 91724
AREA CODE & PHONE	(626) 967-9521
CONTRACTOR	Coastline Roofing Inc
MAILING ADDRESS	2034 E. Lincoln Ave, #294
CITY	Anaheim Ca ZIP 92806
AREA CODE & PHONE	(714) 779-0998
DESIGNER	
MAILING ADDRESS	
AREA CODE & PHONE	
STATE LIC. NO.	
PROPOSAL	Tear-off existing built-up roof and install new 4-ply built-up roof
SQUARE FOOTAGE	24000
BUILDING	DATE 11-12-98
ENGINEERING	DATE
FIRE DEPT.	DATE
PLANNING Ellen Carter	DATE 11-12-98

A roofing permit is required prior to installation of any roofing material.

NOTICE
ALL CONTRACTORS MUST USE CITY'S FRANCHISED REFUSE HAULER.
COVINA DISPOSAL
CUSTOMER SERVICE (818) 336-6100

JOB ADDRESS	1330 E. CYPRESS
ZONE	SPECIAL CONDITIONS: Roof not to be visible - on city to design standards to be met.
SCHOOL FEES	
VALUATION	$ 48,000
CONTRACTOR'S LICENSE VERIFICATION FEE	$ 24.00
STRONG MOTION INSTRUMENTATION PROGRAM	$
PLAN CHECK FEE	$
ENERGY FEE	$
PERMIT ISSUANCE FEE	$ 17.00
PERMIT FEE	$ 455.50
TOTAL BUILDING PERMIT FEE	$ 496.50
ZONING FEE	$ 25.00

APPROVALS	DATE	INSPECTOR'S SIGNATURE
FOUNDATION: LOCATION, FORMS, MATERIALS		
JOISTS & GIRDERS		
SHEAR PANEL		
FRAMING		
GYPSUM INTERIOR		
LATH EXTERIOR		
INSULATION	East Half 11/18/98 KRL	
ROOF SHEATHING	Northwest 12/8/98 KRL	
UNDERFLOOR INSUL.	Southwest 12/9/98 KRL	
BLOCKWALL PRE-GROUT		
SMOKE DETECTORS		
HOUSE NUMBER CORRECT & POSTED	NO FINAL INSPECTION	
FINAL APPROVAL	CALLED EXPIRED	

PLAN CHECK NO. _____

BUILDING PERMIT NO. 16426-98

INSPECTOR'S COPY

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-39 Lic. Number 718942

Date 11-12-98 Contractor Mike Farrell

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

☐ I am exempt under Sec. _____ B.& P.C.

for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

___ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work which this permit is issued.

X I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

CARRIER St Fund

POLICY NUMBER 285-98 Mact 0001576

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

___ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code. I shall forthwith comply with those provisions.

DATE 11-12-98 APPLICANT Mike Farrell

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000). IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)

LENDER'S NAME _____

LENDER'S ADDRESS _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

X _____ X _____

SIGNATURE OF APPLICANT OR AGENT DATE

Inspections are required every 180 days, minimum. This permit will expire if inspections are not requested within the minimum time frame. Expired permits require the payment of additional fees. Contact the Building Division at (626) 858-7236 for inspections.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-46 Lic. Number 355924

Date 2-3-99 Contractor [signature]

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

☐ I am exempt under Sec. _____ B.& P.C.

for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

___ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work which this permit is issued.

✓ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

CARRIER Republic Indem.

POLICY NUMBER 132622-02

(This section need not be completed if the permit is for one hundred dollars ($100) or less).

___ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

DATE 2-3-99 APPLICANT [signature]

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000). IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CITY OF COVINA
BUILDING DIVISION (626) 858-7236

BUILDING
PERMIT APPLICATION

OWNER EG&G POWER SYS.	JOB ADDRESS 1330 E. CYPRESS
MAILING ADDRESS 1330 E. CYPRESS	ZONE / SPECIAL CONDITIONS
CITY COVINA ZIP	
AREA CODE & PHONE	
CONTRACTOR D&D FIRE, INC.	
MAILING ADDRESS 10123 STONEHURST	SCHOOL FEES
CITY SUN VALLEY ZIP 91352	VALUATION $
AREA CODE & PHONE 818 767-1212	CONTRACTOR'S LICENSE VERIFICATION FEE $
DESIGNER	STRONG MOTION INSTRUMENTATION PROGRAM $
MAILING ADDRESS	PLAN CHECK FEE $ 40.00
CITY ZIP	ENERGY FEE $
AREA CODE & PHONE	PERMIT ISSUANCE FEE $ ~~17.00~~
STATE LIC. NO.	PERMIT FEE Pd. 2-3-99 $
PROPOSAL INSTALL NEW FIRE SPRINKLERS IN OFFICE. (2) HEADS	TOTAL BUILDING ~~PERMIT~~ FEE $ 40.00
SQUARE FOOTAGE	ZONING FEE $

BUILDING	DATE
ENGINEERING	DATE
FIRE DEPT.	DATE
PLANNING	DATE

APPROVALS	DATE	INSPECTOR'S SIGNATURE
FOUNDATION: LOCATION, FORMS, MATERIALS		
JOISTS & GIRDERS		
SHEAR PANEL		
FRAMING		
GYPSUM INTERIOR		
LATH EXTERIOR		
INSULATION		
ROOF SHEATHING		
UNDERFLOOR INSUL.		
BLOCKWALL PRE-GROUT		
SMOKE DETECTORS		
HOUSE NUMBER CORRECT & POSTED		
FINAL APPROVAL		

Inspections are required every 180 days, minimum. This permit will expire if inspections are not requested within the minimum time frame. Expired permits require the payment of additional fees. Contact the Building Division at (626) 858-7236 for inspections.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)

LENDER'S NAME _____

LENDER'S ADDRESS _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.

[signature] 2-3-99

SIGNATURE OF APPLICANT OR AGENT DATE

PLAN CHECK NO. 17491-99

BUILDING PERMIT NO. 17491-99

INSPECTOR'S COPY

Inspections by County Fire Dept. 2-3-99

PAID FEB 02 1999

CITY OF COVINA

125 East College Street ● Covina, California 91723-2199

Building Safety/Code Enforcement
(626) 858-7236

May 19, 1999

EG & G Power Systems
1330 E. Cypress Street
Covina, CA 91724

Dear Property Owner:

In reviewing our records, it has come to the attention of the Building Division that a permit(s) was issued to the above address but has not received required inspection(s) and/or final approval. The following permit(s) will expire in June.

1) Building – Reroof Permit No. 16426-98

To ensure your records are complete, please contact the Building Division at (626) 858-7236 within ten days of receipt of this notice to schedule an inspection. If you do not schedule an inspection, your permit will be filed in our permanent records as an expired permit. In order to renew expired permits, new permit fees are required.

Per Uniform Administrative Code Section 303.4, EXPIRATION:

"Every permit issued by the Building Official under the provisions of this code shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced for a period of 180 days."

Additionally, failure to final the referenced permit(s) may result in difficulty meeting requirements of the Real Estate Transfer Disclosure statement under the California Civil Code, Division 2, Part 4, Title 4, Chapter 2, Article 1.5, Section 1102.

Sincerely,

Don Duckworth, Plan Checker

cc: Coastline Roofing, Inc., 2034 E. Lincoln Ave., #294, Anaheim 92806
Permit File

CITY OF COVINA Building Department 331-0111 — ROOFING Permit-Application

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.
License Class C-39 Lic. Number 340362
Date 2-16-89 Contractor W R Pacific

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

☐ I am exempt under Sec. _____, B&P.C. for this reason _____
Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab.C.).
Policy No. 0793238 Company State Fund
☐ Certified copy is hereby furnished.
☑ Certified copy is filed with the county building inspection department or county _____ department.
Date 2-16-89 Applicant W R Pacific

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.
Date _____ Applicant _____
NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

W R Pacific
Signature of Applicant or Agent — Date 2-16-89

OWNER EGG ALMOND INST.
MAIL ADDRESS 1330 E. Cypress
CITY Covina TELEPHONE 967-9521
CONTRACTOR Belvedere Reg. Inc
ADDRESS 3619 E. Olympic Blvd
CITY LA 90023 TELEPHONE 213 263-9466
STATE LICENSE 340362 COVINA BUSINESS LICENSE

BUILDING ADDRESS 1330 E. Cypress
NEAREST CROSS STREET

ROOF ☐ REROOF ☐
REPAIR
EXISTING ROOF MATERIAL Cap
NEW ROOF MATERIAL Cap
SIZE ROOF 25 □

REROOFING REQUIREMENTS

1) Ordinance # 1608
2) Non Combustible or Fire Retardant
3) WOOD SHAKE or SHINGLE
   Material shall be Pressure Treated or Fire Retardant Type, Class "A" or "B".
   a) All existing wood Shakes must be removed regardless of new roof material.
   b) All sheating shall be solid, 5/8 inch plywood with exterior glue or 1 inch nominal T&G boards overlaid with asbestos felt, OR.....
   c) Present I.C.B.O. approved research report on material.
4) Tile, other heavy roofing materials require plans and structural calc's with Engineer's signature.

INSPECTION RECORD

141.00
15.00
15.50
186.50

APPROVALS	DATE	INSPECTORS SIGNATURE
PRE-ROOFING INSPECTION		
FINAL APPROVAL		

↓ Permit Validation ↓

VALUATION $3120.00
PERMIT FEE $186.50

THIS IS A ROOFING PERMIT WHEN PROPERLY FILLED OUT, SIGNED AND VALIDATED. PERMIT VOID IF WORK IS NOT COMMENCED WITHIN 180 DAYS OF DATE OF ISSUANCE.

02/16 RE 4708 1 TOTAL 186.50

NO FINAL INSPECTION
CALLED EXPIRED

BUILDING INSPECTOR'S COPY

BUILDING DEPARTMENT 331-0111

PERMIT APPLICATION

FOR APPLICANT TO FILL IN

(Use ballpoint pen or typewriter)

SIGN MANUFACTURER'S NAME: SIGNARTS, INC.	JOB ADDRESS OR LOCATION: 1330 East Cypress, Covina
MAILING ADDRESS: 1431 E. Pomona, Santa Ana	NAME OF THE ESTABLISHMENT: EG & G Almond Instruments
SIGN OWNER'S NAME:	NAME OF CONTRACTOR INSTALLING SIGN: Signarts, Inc.
MAILING ADDRESS AND PHONE:	MAILING ADDRESS AND PHONE: same (zip 92705) (714) 973-2157
	STATE LICENSE NO. 414678 — COVINA BUSINESS LICENSE NO. new '84

PHYSICAL DESCRIPTION OF THE PROPERTY

EXISTING AND/OR PROPOSED USE OF THE PROPERTY: Fabricator

SIZE OF BUILDING FACE UPON WHICH SIGN IS TO BE PLACED: HEIGHT 16 FT. WIDTH 100 FT.

NUMBER, TYPE AND SIZE OF EXISTING SIGNS ON PROPERTY: None

LINEAL FRONT FOOTAGE OF THE PROPERTY:

DISTANCE FROM PROPERTY LINES TO ANY EXISTING FREESTANDING SIGNS:

1. I hereby acknowledge that I have read this application and state that the information given is correct
2. In consideration of the issuance and delivery to me by the Planning and Building Departments of the City of Covina of the permit granted under this application, I hereby agree to comply with the provisions of the sign ordinance and all other applicable ordinances of the City of Covina and with all State laws pertaining to the installation of signs, whether specified or not, and will in all things strictly comply with the conditions of the permit granted under this application.

DATED: 2-22-84

PERMITTEE'S SIGNATURE:

MAILING ADDRESS AND PHONE: 1431 E. Pomona, S.A. 973-2157

DESCRIPTION OF THE PROPOSED SIGN

TYPE OF SIGN (Check more than one if applicable)

DOUBLE FACE	☐	NON-ELECTRICAL	☒	FREESTANDING SIGN	☐
SINGLE FACE	☒	WALL SIGN	☒	PEDESTRIAN SIGN	☐
ELECTRICAL	☐	PROJECTING SIGN	☐	WINDOW SIGN	☐

TYPE OF MATERIAL: METAL AND PLASTIC ☐ METAL ☒ OTHER ____

FOR ELECTRICAL OR MOTORIZED SIGNS

TOTAL WATTAGE ____

BLINKING OR SCINTILLATING LAMPS ____ RATE/MIN.

REVOLVING OR ROTATING SIGN ____ RPM

SIZE OF SIGN PANEL: HEIGHT ____ FT. WIDTH ____ FT. AREA ____ SQ. FT.

HEIGHT ABOVE GRADE TO: BOTTOM OF SIGN ____ FT. TOP OF SIGN ____ FT.

VALUATION $ ~~4000~~ 2274

PLAN CHECK FEE 73.50

PERMIT FEE 83.50

This is a sign permit when properly filled out, signed, and validated by both the Planning and Building Departments. The permittee has hereby installed a sign as indicated hereon in accordance with the provisions of the sign ordinance of the City of Covina.

PLANNING DEPARTMENT APPROVAL: EG — DATE 2-23-84

BUILDING DEPARTMENT APPROVAL: ME — DATE 2-24-84

This permit is null and void if the work authorized hereon is not commenced within sixty (60) days from the date of issuance, or if such work is suspended or abandoned at any time during construction for a period of one hundred twenty (120) days.

5 9 2 2 7 SEP 84

PLAN CHECK VALIDATION

FOR OFFICE USE ONLY

SIZE OF COPY AREA ____ SQ. FT. — PERCENTAGE OF COPY AREA TO BACKGROUND AREA ____ %

ZONING & SPECIAL CONDITIONS — ZONE

CONDITIONS BY VARIANCE NO

CONDITIONS BY USE PERMIT NO

CONDITIONS BASED ON SIGN REVIEW CRITERIA

NUMBER & TYPE OF NON-CONFORMING SIGNS TO BE REMOVED

DATE — REVIEWED BY

BUILDING INSPECTION RECORD

ITEM	DATE	INSPECTOR
FOUNDATION SET-BACK AND FOOTING		
STRUCTURAL SUPPORT		
CLEARANCES		
FINAL	1-23-85	MJ

1 5 7 5

PERMIT VALIDATION

WORKMANS COMPENSATION INSURANCE On File
CARRIER:
POLICY #:
EXPIRATION DATE:

CITY OF COVINA
BUILDING DEPARTMENT
331-0111

SEWER
PERMIT - APPLICATION

FOR APPLICANT TO FILL IN

LEGAL DESCRIPTION — LOT NUMBER

BLOCK — TRACT

SIZE OF LOT — NO. OF BLDGS NOW ON LOT

USE OF BUILDINGS

CONTRACTOR Acorn Plumbing Co., Inc.

ADDRESS 8141 San Bernardino Rd.

CITY Cucamonga TEL. NUMBER 982-1551

CONTRACTOR'S STATE LICENSE NO. 328744 COVINA BUSINESS LICENSE NO. 8393

No.	DESCRIPTION OF WORK	Fee		
	HOUSE SEWER CONNECTING TO PUBLIC SEWER	@ 11.00		
	SEPTIC TANK, SEEPAGE PIT OR PITS AND/OR DRAINFIELD	@ 22.00		
	OVERFLOW SEEPAGE PIT, DRAINFIELD EXTN., CESSPOOL, DRYWELL, MANHOLE	@ 11.00		
	HOUSE SEWER CONNECTING TO PRIVATE DISPOSAL SYSTEM	@ $7.00		
1	CONNECT ADDITIONAL BLDG. OR WORK TO HOUSE SEWER	@ $7.00	7	—
	ALTER, REPAIR OR ABANDON HOUSE SEWER OR DISPOSAL SYSTEM	@ $7.00		
	SADDLE MAIN LINE	@ $7.00		

OWNER'S AUTHORIZATION

PERMIT	$ 10	00
TOTAL FEE	17	00

I HAVE AT THIS DATE A CONTRACT WITH THE HEREIN NAMED CONTRACTOR TO CONNECT THE ABOVE DESCRIBED **EXISTING DWELLING** TO THE PUBLIC SEWER.

SIGNED THIS 21 DAY OF Jan 19 84

OWNER OR OWNER'S AGENT Melvin Hoffman

ADDRESS

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING PLUMBING AND SEWERS.

I HEREBY CERTIFY THAT I AM PROPERLY REGISTERED AND/OR LICENSED AS REQUIRED BY THE CITY OF COVINA AND STATE OF CALIFORNIA OR THAT I AM THE LEGAL OWNER OF THE ABOVE DESCRIBED RESIDENTIAL PROPERTY.

PERMITTEE'S SIGNATURE Melvin Hoffman

BUILDING ADDRESS 1330 E. Cypress

NEAREST CROSS STREET

OWNER Almond Instruments

MAIL ADDRESS 1330 E Cypress

CITY Covina TEL. NUMBER

CONNECTION DATA

STATION — DEPTH

MANHOLE REFERENCE — UPPER / LOWER

Y. — TYPE OF CONNECTION CURB P.L. — LENGTH FROM M.L. TO P.L.

CO. IMP. NO. — P. C. NO. JOB NO.

TRUNK PERMIT NO. — ROAD PERMIT NO.

STATE ENCROACHMENT PERMIT NO.

INDUSTRIAL WASTE APPROVAL

CHARGES

CONNECTION CHARGE

REIMBURSEMENT CHARGE

APPROVALS	DATE	INSPECTOR'S SIGNATURE
NEW HOUSE SEWER	2-5-84	Ware
CONNECT ADDITIONAL BUILDING OR WORK		
SEPTIC TANK, SEEP, PIT(S) AND/OR DRAINFIELD		
CESSPOOL ☐ DRYWELL ☐		
ALTER, REPAIR, SEWER OR SEWAGE DISPOSAL SYSTEM		
BACKFILL SEPTIC TANKS ☐ SEEP, PIT(S) ☐ CESSPOOLS ☐		
SADDLE MAIN LINE		

This is a Sewer Permit When Properly Filled Out, Signed and Validated

ISSUED BY

Permit Validation

603[illegible]21 SP 17[illegible] R-

INSPECTOR'S COPY

CITY OF COVINA
BUILDING DEPARTMENT
331-0111

APPLICATION FOR PERMIT
HEATING - VENTILATING - AIR CONDITIONING

OWNER EGtG ALMOND
MAIL ADDRESS 1330 E CYPRESS
CITY COVINA TELEPHONE
CONTRACTOR LH BAXTER & CO INC
ADDRESS 1616 N. POTRERO
CITY So EL MONTE TELEPHONE 579-4004
STATE LICENSE 302820 COVINA BUSINESS LICENSE 03818

BUILDING ADDRESS 1330 E CYPRESS
NEAREST CROSS STREET

MAP NO.	GROUP	TYPE CONST.	PROCESSED BY
			mc

ZONE	SPECIAL CONDITIONS

BUILDING SETBACK	YARD	HWY.	STREET NAME	EXISTING WIDTH
FRONT P.L.				
SIDE P.L.				
REAR P.L.				

PLANNING DEPARTMENT APPROVAL	DATE
ENGINEERING DIVISION APPROVAL	DATE
HEALTH DEPARTMENT APPROVAL	DATE
FIRE DEPARTMENT APPROVAL	DATE
	DATE

NO.	TYPE OF APPLIANCE OR EQUIPMENT	FEE
	ABSORPTION SYSTEM, BTU	
5	AIR HANDLING UNIT, CFM 20-200-4500-12,000 16000	58 00
	BOILER, HORSEPOWER	
5	COMPRESSOR, HORSEPOWER 1/4-1/4-15-30-40	65 00
2	VENTILATION SYSTEM	16 00
	EVAPORATIVE COOLER	
1	FURNACE: FAU GRAVITY FLOOR BTU 400 MM	15 00
	HEATER: SUSPENDED UNIT WALL	
	NEW ✓ ADDITION PERMIT $	10 00
	ALTER REPAIR TOTAL FEE $	164 00

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL ORDINANCES AND STATE LAWS REGULATING HEATING, VENTILATING, AIR-CONDITIONING.

I HEREBY CERTIFY THAT I AM NOT ACTING IN VIOLATION OF CHAPTER 9, DIVISION 3 OF THE BUSINESS AND PROFESSIONAL CODE OF THE STATE OF CALIFORNIA.

SIGNATURE OF PERMITTEE

INSPECTION RECORD

WORKMEN'S COMPENSATION INSURANCE
CARRIER: Redwood Ins.
POLICY NUMBER: 3C-00389
EXPIRATION DATE: 12-1-84

APPROVALS	DATE	INSPECTOR'S SIGNATURE
ROUGH	1/25/84	
FINAL	3/21/84	

THIS IS A BUILDING PERMIT WHEN PROPERLY FILLED OUT, SIGNED AND VALIDATED.
PERMIT VOID IF WORK IS NOT COMMENCED WITHIN 120 DAYS OF DATE OF ISSUANCE.

Plan Check Validation
E0311 MR21 84 MP 164.00 R-

Permit Validation

BUILDING INSPECTOR'S COPY

CITY OF COVINA
BUILDING DEPARTMENT
331-0111

ELECTRICAL
PERMIT - APPLICATION

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-10 Lic. Number 320669

Date 9-16-83 Contractor AJS Electric

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

☐ I am exempt under Sec. _____, B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab.C.).

Policy No. 930-82 Company Cypress Insurance

☑ Certified copy is hereby furnished. 10-1-83

☐ Certified copy is filed with the county building inspection department or county _____ department.

Date 9-16-83 Applicant Willis D. Bloomberg

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

Willis D. Bloomberg 9-16-83

Signature of Applicant or Agent Date

58620 SEP 16 83 EP 694.00 R-

FOR APPLICANT TO FILL IN

	EACH	NO.	FEE
New Residential Bldgs & Pools			
1 & 2-Family, Sq. Ft. _____	$ .025	—	$
Multi-family Sq. Ft. _____	.02	—	
Outlets: Light, Switch & Receptacle 653	.50	653	326 50
Lighting Fixtures 432	.50	432	216 50
Fixed Appliances Not Over 1 HP			
Range___ Heater___ D.W.___			
Oven___ Dryer___ W.M.___			
Top___ FAU___ W.H.___			
Hood___ Fan 3 ___ ___			
Disp.___ A.C.___ ___ ___	2.00	3	6 00
Power Apparatus & Large Appliances			
Size & Type HP, KW, KVA, or KVAR			
~~[illegible]~~ Up to 1 Incl.	2.00		
3 AC- Over 1 to 10 Incl.	5.00	3	15 00
1-AC Over 10 to 50 Incl.	10.00	1	10 00
~~[illegible]~~ Over 50 to 100 Incl.	20.00		
2- Transf Over 100	30.00	2	60 00
Services			
0 - 200 Amp. Under 600 V	12.50		
201 - 1000 Amp. Under 600 V	25.00		
Over 1000 Amp. or Over 600 V /	50.00	1	50 00
Temp. Power Pole & Appurtenances	10.00		
Sign with One Branch Circuit	10.00		
Additional Sign Branch Circuits	2.00		
(Other)_____			
PERMIT FEE (Sub-Total)			
PLAN CHECKING FEE (One-Fourth Permit Fee)			
PERMIT ISSUING FEE	$10.00		10 00
TOTAL FEE			$694.00

BUILDING ADDRESS 1330 East Cypress St Covina CA 91724

NEAREST CROSS STREET Glendora

OWNER EG+G Almond Instruments

MAIL ADDRESS 1330 East Cypress St

CITY Covina TELEPHONE 967-9521

ELECTRICIAN AJS Electric

ADDRESS 3190 E Airport Loop Dr

CITY Costa Mesa TELEPHONE 557-0990

STATE LICENSE 320669 COVINA BUSINESS LICENSE NUMBER new 83

GROUP	ZONE	PROCESSED BY
		me

I ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL CITY AND STATE LAWS REGULATING ELECTRICAL WIRING.

I AM PROPERLY REGISTERED AND/OR LICENSED AS REQUIRED BY THE CITY OF COVINA AND STATE OF CALIFORNIA OR I AM THE LEGAL OWNER OF THE ABOVE DESCRIBED RESIDENTIAL PROPERTY.

PERMITTEE'S SIGNATURE Willis D. Bloomberg

INSPECTION RECORD

UNDERGROUND 9-27-83 JW

APPROVALS	DATE	INSPECTOR'S SIGNATURE
TEMP. POWER POLE		
UNDERSLAB WORK	9-28-83	JW
ROUGH CONDUIT	1-25-84	Ware
WIRING		
FIXTURES		
POWER AUTHORIZED	1-23-84	Ware
UTILITY CO. NOTIFIED	1-23-84	me
FINAL	3/20/84	JW

VALIDATION

This is an Electrical Permit when properly filled out, signed and validated.

Permit void if work is not commenced within 120 days of issuance.

BUILDING INSPECTOR'S COPY

CITY OF COVINA
BUILDING DEPARTMENT
331-0111

ELECTRICAL
PERMIT - APPLICATION

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class 31 Lic. Number 332458

Date _____ Contractor Wm. T. Grant Inc

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

☐ I am exempt under Sec. _____, B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab.C.).

Policy No. 31WC1-043565 Company MISSION INS. GROUP

☐ Certified copy is hereby furnished.

☒ Certified copy is filed with the county building inspection department or county department.

Date 9-12-83 Applicant _____

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that In the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

_____ 9-12-83

Signature of Applicant or Agent — Date

58534 SEP 12 83 EP 20.00 R-

FOR APPLICANT TO FILL IN	EACH	NO.	FEE
New Residential Bldgs & Pools			
1 & 2-Family, Sq. Ft. _____	$ .025	—	$
Multi-family Sq. Ft. _____	.02	—	
Outlets: Light, Switch & Receptacle	.50		
Lighting Fixtures	.50		
Fixed Appliances Not Over 1 HP			
Range___ Heater___ D.W. ___			
Oven___ Dryer___ W.M. ___			
Top___ FAU___ W.H. ___			
Hood___ Fan___ ___ ___			
Disp.___ A.C.___ ___ ___	2.00		
Power Apparatus & Large Appliances			
Size & Type HP, KW, KVA, or KVAR			
_____ Up to 1 Incl.	2.00		
_____ Over 1 to 10 Incl.	5.00		
_____ Over 10 to 50 Incl.	10.00		
_____ Over 50 to 100 Incl.	20.00		
_____ Over 100	30.00		
Services			
0 - 200 Amp. Under 600 V	12.50		
201 - 1000 Amp. Under 600 V	25.00		
Over 1000 Amp. or Over 600 V	50.00		
Temp. Power Pole & Appurtenances	10.00	1	10 —
Sign with One Branch Circuit	10.00		
Additional Sign Branch Circuits	2.00		
(Other)_____			
PERMIT FEE (Sub-Total)			10 —
PLAN CHECKING FEE (One-Fourth Permit Fee)			
PERMIT ISSUING FEE $10.00			10 —
TOTAL FEE			20 —

BUILDING ADDRESS 1330 E. CYPRESS ST.

NEAREST CROSS STREET GLENDORA

OWNER ALMOND INSTRUMENT CO. INC.

MAIL ADDRESS 1330 E. CYPRESS ST.

CITY COVINA TELEPHONE 967-9521

ELECTRICIAN WM. T. GRANT INC.

ADDRESS 3051 AVENIDA ENCINAS CITY

CITY CARLSBAD TELEPHONE 438-7500

STATE LICENSE 332458 COVINA BUSINESS LICENSE NUMBER NEW 83

GROUP	ZONE	PROCESSED BY
		me

I ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL CITY AND STATE LAWS REGULATING ELECTRICAL WIRING.

I AM PROPERLY REGISTERED AND/OR LICENSED AS REQUIRED BY THE CITY OF COVINA AND STATE OF CALIFORNIA OR I AM THE LEGAL OWNER OF THE ABOVE DESCRIBED RESIDENTIAL PROPERTY.

PERMITTEE'S SIGNATURE _____

INSPECTION RECORD

ROUGH ELEC. ON PERIM. WALL 12/28/83 JH

" " ON INT. PARTITION 1/24/84 JH

APPROVALS	DATE	INSPECTOR'S SIGNATURE
TEMP. POWER POLE		
UNDERSLAB WORK		
ROUGH CONDUIT		
WIRING		
FIXTURES		
POWER AUTHORIZED	9-14-83	Wake
UTILITY CO. NOTIFIED	9-16 83	me
FINAL	9-15-83	Wake

VALIDATION

This is an Electrical Permit when properly filled out, signed and validated.

Permit void if work is not commenced within 120 days of issuance.

BUILDING INSPECTOR'S COPY

CITY OF COVINA
BUILDING DEPARTMENT

PLUMBING
PERMIT - APPLICATION

OWNER EGG Almond Inst.
MAIL ADDRESS 1330 E Cypress
CITY Covina TELEPHONE
PLUMBER AL & M Plumbing Co., Inc.
ADDRESS 8141 San Bernardino Rd.
CITY Cucamonga TELEPHONE 982155
STATE LICENSE 382874 COVINA BUSINESS LICENSE 8393

BUILDING ADDRESS 1330 E. Cypress
NEAREST CROSS STREET

PLAN CHECK APPLICANT
NAME
ADDRESS
CITY TELEPHONE
GROUP ZONE

NUMBER	FIXTURE OR ITEM	EACH	FEE
12	WATER CLOSET	3 00	36 —
4	~~BATH TUB~~ Floor Drains	3 00	12 —
4	SHOWER	3 00	12 —
14	LAVATORY	3.00	42 —
3	SINK	3 00	9 —
	DISHWASHER	3.00	
	CLOTHES WASHER	3 00	
	SWIMMING POOL RECEPTOR	3.00	
	LAWN SPRINKLER SYSTEM	3.00	
2	WATER HEATER	3.00	6 —
1	GAS SYSTEM 5 OUTLETS	3.00	3 —
	OUTLETS OVER 5 PER SYSTEM	.75	
4	Urinals		12 —
2	Service Sinks		6 —
4	Drinking Fountain		12 —
			167 —
	PLAN CHECK FEE 25% OF ABOVE. SEE REVERSE		39 50
*	PERMIT NOT REQUIRED ON NEW STRUCTURE		

PERMIT $ 10 00
TOTAL FEE $ 212 50

I ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING PLUMBING 198-6

I CERTIFY THAT I AM PROPERLY REGISTERED AND LICENSED AS REQUIRED BY THE CITY OF COVINA AND STATE OF CALIFORNIA OR THAT I AM THE LEGAL OWNER OF THE ABOVE DESCRIBED RESIDENTIAL PROPERTY

PERMITTEE'S SIGNATURE Melvin Thatcher

INSPECTION RECORD

WORKMEN S COMPENSATION INSURANCE
CARRIER NORTHWESTERN NAT'L
POLICY NUMBER WC 6NJ-9V
EXPIRATION DATE 10-1-83

	APPROVALS	DATE	INSPECTOR'S SIGNATURE
~~T-POST~~		1-3-84	Ware
UNDER FLOOR WORK		9-22-83	Ware
ROUGH PLUMBING		1-25-84	Ware
GAS PIPING			
GAS VENTS			
PLUMBING FIXTURES			
MISCELLANEOUS			
HOT WATER HEATER			
GAS TEST		3-15-84	Ware
UTILITY CO NOTIFIED			
FINAL		3/20/84	JM

VALIDATION

This is a Plumbing Permit When Properly Filled Out, Signed and Validated
Permit void if work is not commenced within 120 days of date of issuance.

58531 SEP 9 PP 1985 R-

BUILDING INSPECTOR'S COPY

CITY OF COVINA
BUILDING DEPARTMENT
331-0111

BUILDING
PERMIT - APPLICATION

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. Number _____

Date _____ Contractor _____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031 5, Business and Professions Code Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption Any violation of Section 7031 5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500))

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale)

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law)

☐ I am exempt under Sec. _____, B&PC for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab C)

Policy No _____ Company _____

☐ Certified copy is hereby furnished

☐ Certified copy is filed with the county building inspection department or county _____ department

Date _____ Applicant _____

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

W. L. Wood 1-25-84

OWNER	E G° & Almond Foster
MAIL ADDRESS	1330 E. Cypress
CITY	Covina TELEPHONE
CONTRACTOR	Wm. T. Grant
ADDRESS	
CITY	TELEPHONE
STATE LICENSE	COVINA BUSINESS LICENSE
ARCHITECT OR ENGINEER	
ADDRESS	
CITY	TELEPHONE
STATE LICENSE	COVINA BUSINESS LICENSE
LOT	BLOCK TRACT
LOT SIZE	NO BLDGS. NOW ON LOT
USE OF EXISTING BUILDINGS	
METES AND BOUNDS ATTACHED	YES _____ NO _____

BUILDING ADDRESS	1330 E Cypress
NEAREST CROSS STREET	

MAP NO.	GROUP	TYPE CONST.	PROCESSED BY
			me

ZONE	SPECIAL CONDITIONS

BUILDING SETBACK	YARD	HWY	STREET NAME	EXISTING WIDTH
FRONT P.L.				
SIDE P.L.				
REAR P.L.				

PLANNING DEPARTMENT APPROVAL	DATE
ENGINEERING DIVISION APPROVAL	DATE
HEALTH DEPARTMENT APPROVAL	DATE
FIRE DEPARTMENT APPROVAL	DATE
	DATE
	DATE

DESCRIPTION OF WORK

NEW	ADD.	ALTER	REPAIR	DEMOLISH	SPECIAL	OCCUPANCY
					X	

SIZE	SQ. FT.	NO. ROOMS	NO. STORIES

EXT. WALL COVERING	INT. WALL COVERING	ROOF COVERING

PROPOSED USE OF STRUCTURE: Fee for Plan Check-Rev. only on new addition

STRONG MOTION TAX $

APPLICANT'S SIGNATURE

ADDRESS

APPROVALS	DATE	INSPECTOR'S SIGNATURE
FOUNDATION LOCATION FORMS, MATERIALS		
JOISTS AND GIRDERS		
FRAMING		
LATH OR GYPSUM INTERIOR		
LATH EXTERIOR		
ROOFING		
HOUSE NUMBER CORRECT AND POSTED		
FINAL APPROVAL		

VALUATION	PLAN CHECK FEE $ 100.00
$ _____	PERMIT FEE $

THIS IS A BUILDING PERMIT WHEN PROPERLY FILLED OUT. SIGNED AND VALIDATED. PERMIT VOID IF WORK IS NOT COMMENCED WITHIN 120 DAYS OF DATE OF ISSUANCE.

Plan Check Validation 1125 84 C 100.00 R- Permit Validation

BUILDING INSPECTOR'S COPY

CITY OF COVINA
BUILDING DEPARTMENT
331-0111

BUILDING
PERMIT - APPLICATION

OWNER E.G.&G. ALMOND INSTR.
MAIL ADDRESS 1330 E. CYPRESS ST.
CITY COVINA TELEPHONE
CONTRACTOR ADVANCE FIRE PROT.
ADDRESS 1451 W. LAMBERT RD.
CITY LA HABRA TELEPHONE (213) 691-0918
STATE LICENSE 259936 COVINA BUSINESS LICENSE new '83
ARCHITECT OR ENGINEER
ADDRESS
CITY TELEPHONE
STATE LICENSE COVINA BUSINESS LICENSE
LOT BLOCK TRACT
LOT SIZE NO BLDGS. NOW ON LOT
USE OF EXISTING BUILDINGS
METES AND BOUNDS ATTACHED YES____ NO____

BUILDING ADDRESS ~~SAME~~ 1330 E. Cypress
NEAREST CROSS STREET

MAP NO.	GROUP	TYPE CONST.	PROCESSED BY

ZONE
SPECIAL CONDITIONS

BUILDING SETBACK	YARD	HWY	STREET NAME	EXISTING WIDTH
FRONT P.L.				
SIDE P.L.				
REAR P.L.				

PLANNING DEPARTMENT APPROVAL	DATE
ENGINEERING DIVISION APPROVAL	DATE
HEALTH DEPARTMENT APPROVAL	DATE
FIRE DEPARTMENT APPROVAL	DATE

WORKMEN'S COMP INS Zenith Ins.
POLICY NO P28865 EXPIRES 1-1-84

DESCRIPTION OF WORK

NEW	ADD.	ALTER	REPAIR	DEMOLISH	SPECIAL	OCCUPANCY
	X					

SIZE SQ. FT.	NO. ROOMS	NO. STORIES
		2

EXT. WALL COVERING	INT. WALL COVERING	ROOF COVERING

PROPOSED USE OF STRUCTURE OFFICE & MFG
Auto. Fire Sprinkler Syst.

STRONG MOTION TAX $ $1.61
APPLICANT'S SIGNATURE Ray Scott
ADDRESS 1451 W. LAMBERT.

APPROVALS	DATE	INSPECTOR'S SIGNATURE
FOUNDATION: LOCATION FORMS, MATERIALS		
JOISTS AND GIRDERS		
FURNACE: LOCATION GAS VENT, DUCTS		
FRAMING		
LATH OR GYPSUM INTERIOR		
LATH EXTERIOR		
ROOFING		
HOUSE NUMBER CORRECT AND POSTED		
FINAL APPROVAL	G.M.S.	3-21-84

VALUATION $ 22400.00
PLAN CHECK FEE $ 193.50
PERMIT FEE $ 203.45

I ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL CITY ORDINANCES AND STATE LAWS REGULATING BUILDING CONSTRUCTION.

PERMITTEE'S SIGNATURE Gary L. Rawdon
ADDRESS

THIS IS A BUILDING PERMIT WHEN PROPERLY FILLED OUT. SIGNED AND VALIDATED.
PERMIT VOID IF WORK IS NOT COMMENCED WITHIN 120 DAYS OF DATE OF ISSUANCE.

Plan Check Validation

59005 NOV 1 83 TC 193.50 R-

Permit Validation

59006 NOV 1 83 BP 20567 R-

BUILDING INSPECTOR'S COPY

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C45 Lic. Number 211502

Date 6-15-00 Contractor WILLIAMS SIGN CO.

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500.):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law).

☐ I am exempt under Sec. _____ B.& P.C.

for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation, or a certified copy thereof (Sec. 3800, Lab. C.).

Policy No. 478-00 Company STATE FUND

☐ Certified copy is hereby furnished.

☐ Certified copy is filed with the county building inspection department or county department.

Date 6-15-00 Applicant Tom Vitale

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT. If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

Tom Vitale — Signature of Applicant or Agent

6-15-00 — Date

CITY OF COVINA

BUILDING DIVISION / PLANNING DIVISION

SIGN PERMIT APPLICATION

SIGN OWNER'S NAME: PERKIN ELMER

MAILING ADDRESS AND PHONE: 1330 E. CYPRESS

COVINA, CA.

JOB ADDRESS OR LOCATION: 1300 E. CYPRESS

NAME OF THE ESTABLISHMENT: PERKIN ELMER

NAME OF CONTRACTOR INSTALLING SIGN: WILLIAMS SIGN CO.

MAILING ADDRESS: 111 SO. HUNTINGTON

TELEPHONE: 909-622-5304

STATE LICENSE NO.: 211502 — COVINA BUSINESS LICENSE NO.:

PHYSICAL DESCRIPTION OF THE PROPERTY

EXISTING AND/OR PROPOSED USE OF THE PROPERTY:

SIZE OF BUILDING FACE UPON WHICH SIGN IS TO BE PLACED: HEIGHT 18 FT. WIDTH 205 FT.

NEW SIGN TO READ: PERKINELMER

☐ TEMPORARY SIGN DATES FROM: TO:

FACE CHANGE ONLY ☐

LINEAL FRONT FOOTAGE OF THE PROPERTY: 205 FT.

DISTANCE TO NEAREST FREE STANDING SIGN ON THE SAME STREET SIDE:

SIZE, HEIGHT AND TYPE OF ANY EXISTING SIGNS TO REMAIN ON SITE: ϕ

1. This is a sign permit when property filled out, signed by both the Planning and Building Departments and validated.
2. In consideration of the issuance and delivery to me by the Planning and Building Departments of the City of Covina of the permit granted under this application, I hereby agree to comply with the provisions of the sign ordinance and all other applicable ordinances of the City of Covina and with all State laws pertaining to the installation of signs, whether specified or not, and will in all things strictly comply with the conditions of the permit granted under this application.
3. This permit is null and void if the work authorized hereon is not commenced within (180) days from the date of issuance, or if such work is suspended or abandoned at any time during construction for a period of one hundred eighty (180) days.

DATED: 6-15-00

PERMITTEE'S SIGNATURE: Tom Vitale

MAILING ADDRESS AND PHONE: 111 SO. HUNTINGTON POMONA, CA. 91766

DESCRIPTION OF THE PROPOSED SIGN(S)

3' x 13' x 6" S/F CABINET SIGN (on north-facing wall)

TYPE OF SIGN (Check more than one if applicable)

DOUBLE FACE ☐	NON-ELECTRICAL ☒	FREESTANDING SIGN ☐
SINGLE FACE ☒	WALL SIGN ☒	PEDESTRIAN SIGN ☐
ELECTRICAL ☐	MONUMENT SIGN ☐	WINDOW SIGN ☐

TYPE OF MATERIAL: ALUM./VINYL

FOR ELECTRICAL OR MOTORIZED SIGNS: TOTAL WATTAGE _____

BLINKING OR SCINTILLING LAMPS _____ RATE/MIN.

REVOLVING OR ROTATING SIGN _____ RPM

SIZE OF SIGN PANEL: HEIGHT 3 FT. WIDTH 13 FT. AREA 39 SQ. FT.

HEIGHT ABOVE GRADE TO: BOTTOM OF SIGN 14 FT. TOP OF SIGN 17 FT.

FOR OFFICE USE ONLY

SIZE OF COPY AREA _____ SQ. FT. PERCENTAGE OF COPY AREA TO BACKGROUND AREA _____ %

USE PERMIT, VARIANCE OR SPECIAL PERMIT NO. ZONE M-1

COMMENTS/CONDITIONS OF INSTALLATION: Approval for 39 sq. ft. cabinet sign on northern elevation only in accordance with accompanying plan details.

VALUATION OF SIGN $ 1800.

ZONING FEE	$30.00
BUILDING INSPECTION FEE	65.00
ELECTRICAL FEE (Sign w/on branch circuit)	0
TOTAL FEE	95.00

PLANNING DEPARTMENT APPROVAL: Karen Carter DATE 6-15-00

BUILDING DEPARTMENT APPROVAL: [signature] DATE 6/15/00

BUILDING INSPECTION RECORD

ITEM	DATE	INSPECTOR
FOUNDATION SET-BACK AND FOOTING		
STRUCTURAL SUPPORT		
CLEARANCES		
FINAL (Planning Dept.)	16 Aug 00	
FINAL (Building Dept.)	16 Aug 00	

PERMIT NO. 25858

WHITE COPY-BUILDING INSP./ YELLOW COPY-PLANNING DEPT./ PINK COPY-BLDG. DEPT./ GOLD COPY-APPLICANT

CITY OF COVINA
BUILDING DEPARTMENT 331-0111

BUILDING
PERMIT - APPLICATION

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. Number _____

Date _____ Contractor _____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

☐ I am exempt under Sec. _____, B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab.C.).

Policy No. _____ Company _____

☐ Certified copy is hereby furnished.

☐ Certified copy is filed with the county building inspection department or county _____ department.

Date _____ Applicant _____

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date 7-21-87 Applicant Robert Huth

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

Robert Huth — Signature of Applicant or Agent

7-21-87 — Date

OWNER EGG Almond Co

MAIL ADDRESS 1330 E Cypress

CITY Covina Ca TELEPHONE 9679521

CONTRACTOR Robert Huth Awning

ADDRESS 450 W Foothill

CITY Arcadia TELEPHONE 4451653

STATE LICENSE C61350151 COVINA BUSINESS LICENSE 15563

ARCHITECT OR ENGINEER

ADDRESS

CITY TELEPHONE

STATE LICENSE COVINA BUSINESS LICENSE

LOT BLOCK TRACT

LOT SIZE NO. BLDGS. NOW ON LOT

USE OF EXISTING BUILDINGS

METES AND BOUNDS ATTACHED YES ____ NO ____

BUILDING ADDRESS 13305 Cypress

NEAREST CROSS STREET

MAP NO.	GROUP	TYPE CONST.	PROCESSED BY

ZONE — SPECIAL CONDITIONS

BUILDING SETBACK	YARD	HWY.	STREET NAME	EXISTING WIDTH
FRONT P.L.				
SIDE P.L.				
REAR P.L.				

PLANNING DEPARTMENT APPROVAL	DATE 7-21-87
ENGINEERING DIVISION APPROVAL	DATE
HEALTH DEPARTMENT APPROVAL	DATE
FIRE DEPARTMENT APPROVAL	DATE
	DATE
	DATE

DESCRIPTION OF WORK

NEW	ADD.	ALTER	REPAIR	DEMOLISH	SPECIAL	OCCUPANCY

SIZE SQ. FT. NO. ROOMS NO. STORIES

EXT. WALL COVERING INT. WALL COVERING ROOF COVERING

PROPOSED USE OF STRUCTURE BUILT W/O PERMIT Door Open Alum

8x16- 2 each AWNING

1- Shade 20 x 30 ICBO# 2621P

STRONG MOTION TAX $ 1.50 MODEL # 35004

APPLICANT'S SIGNATURE Robert Huth

ADDRESS 450 W Foothill

APPROVALS	DATE	INSPECTOR'S SIGNATURE
FOUNDATION: LOCATION FORMS, MATERIALS		
JOISTS AND GIRDERS		
FRAMING		
LATH OR GYPSUM INTERIOR		
LATH EXTERIOR		
ROOFING		
HOUSE NUMBER CORRECT AND POSTED		
FINAL APPROVAL	7/30/87	

VALUATION $ 4,280.00

PLAN CHECK FEE $ 189.00

PERMIT FEE $ 204.00

THIS IS A BUILDING PERMIT WHEN PROPERLY FILLED OUT, SIGNED AND VALIDATED. PERMIT VOID IF WORK IS NOT COMMENCED WITHEN 180 DAYS OF DATE OF ISSUANCE.

07-21-87 2CL6141 BUILD 393.50

Plan Check Validation

Permit Validation

BUILDING INSPECTOR'S COPY

CITY OF COVINA Building Department 331-0111 — ROOFING Permit-Application

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.
License Class C-39 Lic. Number 340362
Date 2-16-89 Contractor W R Pavelich

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

☐ I am exempt under Sec. _____, B.&P.C. for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab.C.).
Policy No. 0793228 Company State Fund

☐ Certified copy is hereby furnished.

☑ Certified copy is filed with the county building inspection department or county _____ department.

Date 2-16-89 Applicant W R Pavelich

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes.

W R Pavelich — Signature of Applicant or Agent

2-16-89 — Date

OWNER EG&G ALMOND INST.	BUILDING ADDRESS 1330 E. Cypress
MAIL ADDRESS 1330 E. Cypress	NEAREST CROSS STREET
CITY Covina TELEPHONE 967-9521	ROOF ☐ REROOF ☐ REPAIR
CONTRACTOR Belvedere Rfg. Inc	EXISTING ROOF MATERIAL Cap
ADDRESS 3619 E. Olympic Blvd	NEW ROOF MATERIAL Cap
CITY L.A. 90023 TELEPHONE 263-9161	SIZE ROOF 25 □
STATE LICENSE 340367 COVINA BUSINESS LICENSE	

REROOFING REQUIREMENTS

1) Ordinance # 1608

2) Non Combustible or Fire Retardant

3) WOOD SHAKE or SHINGLE
Material shall be Pressure Treated or Fire Retardant Type, Class "A" or "B".
   a) All existing wood Shakes must be removed regardless of new roof material.
   b) All sheating shall be solid, 5/8 inch plywood with exterior glue or 1 inch nominal T&G boards overlaid with asbestos felt, OR.....
   c) Present I.C.B.O. approved research report on material.

4) Tile, other heavy roofing materials require plans and structural calc's with Engineer's signature.

INSPECTION RECORD

VALUATION	PERMIT FEE
$ 3120.00	$ 186.50

THIS IS A ROOFING PERMIT WHEN PROPERLY FILLED OUT, SIGNED AND VALIDATED. PERMIT VOID IF WORK IS NOT COMMENCED WITHIN 180 DAYS OF DATE OF ISSUANCE.

APPROVALS	DATE	INSPECTORS SIGNATURE
PRE-ROOFING INSPECTION		
FINAL APPROVAL		

↓ Permit Validation ↓

CA 90723 186.50

BUILDING DEPARTMENT COPY

CITY OF COVINA
BUILDING DEPARTMENT (818) 858-7236

BUILDING
PERMIT - APPLICATION

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class B Lic. Number 544565

Date 10/94 Contractor CRYOGENIC SERVICE CORP

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

☐ I am exempt under Sec. _____, B.&P.C. for this reason _____

Date X_____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab.C.).

Policy No. WN9455828402 Company FREMONT COMPENSATION

☐ Certified copy is hereby furnished.

☐ Certified copy is filed with the county building inspection department or county _____ department.

Date X_____ Applicant X_____

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes

EG&G Power Systems (EG&G, Inc.)

Joseph L. Hobson Senior Buyer 5/31/94

Signature of Applicant or Agent Date

Owner: EG&G PWER SYSTEMS INC.	A. P. N:
Mailing Address: 1330 EAST CYPRESS	Job Address: ~~SAME~~ 1330 E. CYPRESS
City: COVINA Zip: 91724	Nearest Cross Street:
Area Code & Phone: (818) 967-9521	Zone / Special Conditions:
Contractor: CRYOGENIC SERVICE CORPORATION	
Address: 4928 E. CLINTON, #209	
City: FRESNO, CA Zip: 93727	
State Contractors License: 544565	
City Business License: N/A	
Area Code & Phone (209) 252-0721	
Designer: CRYOGENIC SERVICE CORPORATION	
Address: 4928 E. CLINTON, #209	
City: FRESNO, CA Zip: 93727	
State License: 544565	
City Business License: N/A	
Area Code & Phone: (209) 252-0721	
PROPOSED USE OF PERMIT: CONCRETE SLAB 12' by 12' AND 6' H. Blockwall	
Square Footage:	

BUILDING SETBACK	YARD	HWY.	STREET NAME	EXISTING WIDTH
FRONT P.L.				
SIDE P.L.				
REAR P.L.				

PLANNING DEPARTMENT APPROVAL	DATE 6-1-94
ENGINEERING DIVISION APPROVAL	DATE
BUILDING DEPARTMENT APPROVAL	DATE 6-1-94
FIRE DEPARTMENT APPROVAL	DATE
C.R.A.	DATE
	DATE

VALUATION:	$ 1,500.00
Contractors License Verification Fee:	$ 1.00
Strong Motion Instrumentation Program:	$ —
Plan Check Fee:	$ 63.20
Energy Fee:	$ —
Permit Issuance Fee:	$ 17.00
Permit Fee:	$ 79.00
TOTAL BUILDING PERMIT FEE:	$ 160.20
Zoning Fee:	$ 25.00

APPROVALS	DATE	INSPECTOR'S SIGNATURE
FOUNDATION: LOCATION FORMS, MATERIALS	6/9/94	B. Ku
JOISTS AND GIRDERS		
FRAMING		
GYPSUM INTERIOR		
LATH EXTERIOR		
INSUL.		
ROOF SHEATH'G		
BLOCK WALL PRE-GROUT	6-20-94	KR Lee
TEMP. UTILITIES		
HOUSE NUMBER CORRECT AND POSTED		
FINAL APPROVAL	7-26-94	K. R. Lee

Inspections are required every 180 days, minimum. This permit will expire if inspections are not requested within the minimum time frame. Expired permits require the payment of additional fees. Contact the Building Division at 818-858-7236 for more information.

Plan Check No. 19589-94 Building Permit No. 19590-94

INSPECTOR'S COPY

CITY OF COVINA
BUILDING DEPARTMENT
331-0111

BUILDING
PERMIT - APPLICATION

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. Number _____

Date _____ Contractor _____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.).

☒ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law.).

☐ I am exempt under Sec. _____, B.&P.C. for this reason _____

Date 1-17-85 Owner W. R. Ogle

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab.C.).

Policy No. _____ Company _____

☐ Certified copy is hereby furnished.

☐ Certified copy is filed with the county building inspection department or county _____ department.

Date _____ Applicant _____

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

W. R. Ogle 1-17-85

Signature of Applicant or Agent Date

59380 BC13 BSIC 1995 R-

OWNER	EGEC ALUMINUM INST
MAIL ADDRESS	330 E. CYPRESS ST.
CITY	COVINA TELEPHONE 967-9534
CONTRACTOR	OWNER
ADDRESS	
CITY	TELEPHONE
STATE LICENS	COVINA BUSINESS LICENSE
ARCHITECT OR ENGINEER	ARCH BROOKS ASSOC
ADDRESS	160 NEWPORT CENTER DR.
CITY	NEWPORT BCH CA TELEPHONE 720-1800
STATE LICENSE	SE853 COVINA BUSINESS LICENSE
LOT	1 BLOCK TRACT HEYLER
LOT SIZE	IRREGULAR NO. BLDGS. NOW ON LOT 1
USE OF EXISTING BUILDINGS	ADMIN, ENG MFG
METES AND BOUNDS ATTACHED	YES ____ NO ____

BUILDING ADDRESS	330 E. CYPRESS ST
NEAREST CROSS STREET	GLENDORA/CYPRESS

MAP NO.	GROUP	TYPE CONST.	PROCESSED BY
			me

ZONE	SPECIAL CONDITIONS

BUILDING SETBACK	YARD	HWY.	STREET NAME	EXISTING WIDTH
FRONT P.L.				
SIDE P.L.				
REAR P.L.				

PLANNING DEPARTMENT APPROVAL	DATE
ENGINEERING DIVISION APPROVAL	DATE
HEALTH DEPARTMENT APPROVAL	DATE
FIRE DEPARTMENT APPROVAL 9 MS No comment	DATE 12-15-84
	DATE
	DATE

DESCRIPTION OF WORK

NEW	ADD.	ALTER	REPAIR	DEMOLISH	SPECIAL	OCCUPANCY
		X				

SIZE SQ. FT.	NO. ROOMS	NO. STORIES
24,000.		1

EXT. WALL COVERING	INT. WALL COVERING	ROOF COVERING

PROPOSED USE OF STRUCTURE ALTERATION TO MFG OPERATIONS BUILDING

STRONG MOTION TAX $ 1.68

APPLICANT'S SIGNATURE W. R. Ogle

ADDRESS

APPROVALS	DATE	INSPECTOR'S SIGNATURE
FOUNDATION: LOCATION FORMS, MATERIALS		
JOISTS AND GIRDERS		
FRAMING		
LATH OR GYPSUM INTERIOR		
LATH EXTERIOR		
ROOFING		
HOUSE NUMBER CORRECT AND POSTED		
FINAL APPROVAL	1/3/86	mf

VALUATION	PLAN CHECK FEE $	PERMIT FEE $
$24,000.00	199.50	209.50

THIS IS A BUILDING PERMIT WHEN PROPERLY FILLED OUT, SIGNED AND VALIDATED.
PERMIT VOID IF WORK IS NOT COMMENCED WITHIN 120 DAYS OF DATE OF ISSUANCE.

Plan Check Validation 9616 IN17 84 DP 211.18 Permit Validation

BUILDING INSPECTOR'S COPY

APPLICATION FOR BUILDING PERMIT

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
BUILDING AND SAFETY DIVISION

1

FOR APPLICANT TO FILL IN

BUILDING ADDRESS: 20050 E. CYPRESS AVE.
CITY: COVINA ZIP:
SIZE OF LOT: 344' x 400' NO OF BLDGS NOW ON LOT: 1
TRACT: C.J. HEYLER BLOCK: LOT NO: 1
OWNER: ALMOND INSTRUMENT, INC. TEL NO:
ADDRESS: 1223 EDNA PL.
CITY: COVINA ZIP:
ARCHITECT OR ENGINEER: CHARLES ACKINS (HUGH BROOKS ASSOC) TEL NO: 331-0614
ADDRESS: 100 S. CITRUS AVE. COVINA, CAL.
CONTRACTOR: — TEL NO:
ADDRESS: — LIC NO:
CITY: — LIC CLASS:
CONSTRUCTION LENDER NAME AND BRANCH: —
ADDRESS: CITY:
SQ FT SIZE: 24000 NO OF STORIES: 1 NO OF FAMILIES: —

DESCRIPTION OF WORK: ADDITIONAL OFFICE AREA (8000 S.F.)

USE OF EXISTING BLDG: WAREHOUSE, OFFICES.

CHECK ONE: NEW ☐ ADD ☑ ALTER ☐ REPAIR ☐ DEMOL ☐

APPLICANT (PRINT): CHARLES A. ACKINS, A I A TEL NO: 331-0614

BY (SIGNATURE): Charles A Ackins

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL ORDINANCES AND LAWS REGULATING BUILDING CONSTRUCTION I CERTIFY THAT IN DOING THE WORK AUTHORIZED HEREBY I WILL NOT EMPLOY ANY PERSON IN VIOLATION OF THE LABOR CODE OF THE STATE OF CALIFORNIA IN RELATING TO WORKMEN S COM PENSATION INSURANCE

SIGNATURE OF PERMITTEE: X
ADDRESS:
CITY: TEL NO:

VALUATION $ 150000.00

PLAN CHECK VALIDATION CK MO CASH

BUILDING ADDRESS: 20050 E. CYPRESS AVE
LOCALITY: COVINA
NEAREST CROSS ST: GLENDORA
ASSESSOR MAP BOOK: PAGE: PARCEL:
DISTRICT: 10 GROUP: F2 TYPE CONST: IIB N FIRE ZONE: III PROCESSED BY: Lonza
STATISTICAL CLASSIFICATION: CLASS NO: DWELL UNITS: SEWER MAP BK PG
USE ZONE: M-1 MAP NO: 147-329 SPECIAL CONDITIONS:

ROAD DEPARTMENT APPROVAL REQUIRED YES ☐ NO ☐

BLDG SETBACK FROM FRONT PROP LINE OF: E Cypress (STREET)

HIGHWAY + YARD =	TOTAL SETBACK FROM FRONT PROP LINE	TYPE OF HIGHWAY	EXISTING WIDTH
+ =		Local	80

BLDG SETBACK FROM SIDE PROP LINE OF: (STREET)

HIGHWAY + YARD =	TOTAL SETBACK FROM SIDE PROP LINE	TYPE OF HIGHWAY	EXISTING WIDTH
+ =			

CORNER CUTOFF YES ☐ NO ☐

IN OPEN SPACE YES ☐ NO ☐

IN COASTAL PERMIT ZONE YES ☐ NO ☐

Plan Check Only

FINAL DATE: BY:

P C Fee $	Permit Fee
	Issuance Fee
	Total Fee

PERMIT VALIDATION CK MO CASH

INSPECTOR COPY

76A638A CE 1803A 6/76

CO 0555 102777 23 484.80

CITY OF COVINA
BUILDING DEPARTMENT
331-0111

BUILDING
PERMIT - APPLICATION

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. Number _____

Date _____ Contractor _____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031 5, Business and Professions Code Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031 5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500))

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale)

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☐ I am exempt under Sec. _____, B&PC for this reason _____

Date _____ Owner _____

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab.C)

Policy No. 31WC1-047166 Company MISSION INS GROUP

☒ Certified copy is hereby furnished. 7-1-84

☒ Certified copy is filed with the county building inspection department or county department.

Date 9-7-83 Applicant Wm. T. Grant Inc. by Tony Martin

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date _____ Applicant _____

NOTICE TO APPLICANT If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked

I certify that I have read this application and state that the above information is correct I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above-mentioned property for inspection purposes

Wm. T. Grant Inc. by Tony Martin 9-7-83

Signature of Applicant or Agent Date

OWNER	EG&G ALMOND INSTRUMENTS
MAIL ADDRESS	1330 E. Cypress Street
CITY	Covina TELEPHONE 967-9521
CONTRACTOR	TBD Wm. T. Grant Inc
ADDRESS	5051 Avenida Encinas
CITY	Carlsbad 92008 TELEPHONE 619 438-7300
STATE LICENSE	332458 COVINA BUSINESS LICENSE now '83
ARCHITECT OR ENGINEER	Hugh Brooks Assoc.
ADDRESS	160 Newport Center Dr. Suite 120
CITY	Newport Beach TELEPHONE (714) 720-1831
STATE LICENSE	SE853 COVINA BUSINESS LICENSE
LOT	1 BLOCK TRACT G. I. Heyler
LOT SIZE	Irregular NO BLDGS. NOW ON LOT 1
USE OF EXISTING BUILDINGS	Admin Eng. Mfg.
METES AND BOUNDS ATTACHED	YES _____ NO _____

BUILDING ADDRESS	1330 E. Cypress Street
NEAREST CROSS STREET	Glendora/Cypress

MAP NO.	GROUP	TYPE CONST.	PROCESSED BY
	B-2	III-N	mc

ZONE — SPECIAL CONDITIONS: To comply with fire Dept. requirements.

BUILDING SETBACK	YARD	HWY.	STREET NAME	EXISTING WIDTH
FRONT P.L.				
SIDE P.L.				
REAR P.L.				

PLANNING DEPARTMENT APPROVAL EG	DATE 9-7-83
ENGINEERING DIVISION APPROVAL LF	DATE 9-7-83
HEALTH DEPARTMENT APPROVAL	DATE
FIRE DEPARTMENT APPROVAL Memo 8GMS	DATE 8/8/83
SLAB PERIMETER	DATE 11/30/83
PARTIAL OF FTGS	DATE 11/

DESCRIPTION OF WORK

NEW	ADD.	ALTER	REPAIR	DEMOLISH	SPECIAL	OCCUPANCY
	X					

SIZE SQ. FT.	NO. ROOMS	NO. STORIES
31,000		2

EXT. WALL COVERING	INT. WALL COVERING	ROOF COVERING
Tilt-Up Conc.	Gyp. Bd.	Composition

PROPOSED USE OF STRUCTURE: Administrative, Engineering and Manufacturing

STRONG MOTION TAX $ 89.18

APPLICANT'S SIGNATURE Ray D. Stanke

ADDRESS 1330 E. Cypress

APPROVALS	DATE	INSPECTOR'S SIGNATURE
FOUNDATION, LOCATION FORMS, MATERIALS	9-23-83	
JOISTS AND GIRDERS		
Panels 1-18	10-26-83	Ware
FRAMING	1-25-84	Ware
LATH OR GYPSUM INTERIOR	2-10-84	Ware
LATH EXTERIOR		
ROOFING SHTG.	11-22-83	
RAMP FTGS.	11-16-83	
ELEV. SLAB	11-23-83	
SUBFLR ON 2ND FLOR	12-14-83	
ELEC. ROUGH		
ELEV. STEEL	11/29/83	
HOUSE NUMBER CORRECT AND POSTED		
FINAL APPROVAL	6/20/84	

VALUATION $ 1,374,000.00

PLAN CHECK FEE $ 3433.00

PERMIT FEE $ 3448.00

DRYWALL PARTIAL BESTROOMS 1/24/84 JS T-Bar Upstairs 3-7-84 TC

T-BAR UPSTAIRS OK 3-2-84 JS T-Bar Downstairs 3-12-84 mc

THIS IS A BUILDING PERMIT WHEN PROPERLY FILLED OUT, SIGNED AND VALIDATED.
PERMIT VOID IF WORK IS NOT COMMENCED WITHIN 120 DAYS OF DATE OF ISSUANCE.

58127 AUG 3 83 FC 1,753.00 R-

58129 AUG 3 83 FC 1,000.00 R-

Plan Check Validation

58415 AUG 29 83 FC 685.00 R-

10 SEP 7 85 35718 R-

Permit Validation

BUILDING INSPECTOR'S COPY

APPLICATION FOR BUILDING PERMIT

COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
BUILDING AND SAFETY DIVISION

1

FOR APPLICANT TO FILL IN

BUILDING ADDRESS: 20050 E. Cypress
CITY: Covina ZIP: 91724
SIZE OF LOT: ~~E.J. Heyter~~ NO OF BLDGS NOW ON LOT: 1
TRACT: R.J. Heyter BLOCK: LOT NO:
OWNER: ALMOND & INSTRU. TEL NO: 967-9521
ADDRESS:
CITY: ZIP:
ARCHITECT OR ENGINEER: Charles ARTIMS / Haugh BROOKS TEL NO:
ADDRESS:
CONTRACTOR: owner TEL NO:
ADDRESS: LIC NO:
CITY: LIC CLASS:
CONSTRUCTION LENDER NAME AND BRANCH:
ADDRESS: CITY:

SQ FT SIZE	NO OF STORIES	NO OF FAMILIES

DESCRIPTION OF WORK: Light storage
Add partitions & mezzanine

CHECK ONE: NEW ☐ ADD ☐ ALTER ☐ REPAIR ☐ DEMOL ☐

USE OF EXISTING BLDG:

APPLICANT (PRINT): G. A. Almond TEL NO: 967 9521

BY (SIGNATURE)

I HEREBY ACKNOWLEDGE THAT I HAVE READ THIS APPLICATION AND STATE THAT THE ABOVE IS CORRECT AND AGREE TO COMPLY WITH ALL ORDINANCES AND LAWS REGULATING BUILDING CONSTRUCTION. I CERTIFY THAT IN DOING THE WORK AUTHORIZED HEREBY I WILL NOT EMPLOY ANY PERSON IN VIOLATION OF THE LABOR CODE OF THE STATE OF CALIFORNIA IN RELATING TO WORKMEN'S COMPENSATION INSURANCE

SIGNATURE OF PERMITTEE:
ADDRESS: 20050 E. Cypress
CITY: Covina TEL NO: 967 9521

VALUATION $: 12,000

BUILDING ADDRESS: 20050 E. CYPRESS AVE.
LOCALITY: COVINA
NEAREST CROSS ST: GLENDORA
ASSESSOR MAP BOOK: 8424 PAGE: PARCEL:
DISTRICT: 10 GROUP: IND PART. TYPE CONST: FIRE ZONE: III PROCESSED BY: Sundgren
STATISTICAL CLASSIFICATION CLASS NO: 19 DWELL UNITS: —
SEWER MAP: City BK: PG: Sewers
USE ZONE: M-1 MAP NO: 147-329
SPECIAL CONDITIONS:
ROAD DEPARTMENT APPROVAL REQUIRED - YES ☐ NO ☒

BLDG SETBACK FROM FRONT PROP LINE OF _____ (STREET)

HIGHWAY + YARD =	TOTAL SETBACK FROM FRONT PROP LINE	TYPE OF HIGHWAY	EXISTING WIDTH
+ =	0'		80'

BLDG SETBACK FROM SIDE PROP LINE OF _____ (STREET)

HIGHWAY + YARD =	TOTAL SETBACK FROM SIDE PROP LINE	TYPE OF HIGHWAY	EXISTING WIDTH
+ =			

CORNER CUTOFF YES ☐ NO ☒
IN OPEN SPACE YES ☐ NO ☒
IN COASTAL PERMIT ZONE YES ☐ NO ☒

FINAL DATE: BY:

P.C. Fee $: 62.40
Permit Fee: 7.8
Issuance Fee: 7
Total Fee: 85.00

INSPECTOR COPY

PLAN CHECK VALIDATION CK MO CASH

8928 123077 23 62.40#

PERMIT VALIDATION CK MO CASH

LA CO 9164 11978 1 35.00#

76A638A CE 1803A 6/76

CITY OF COVINA

PERMIT NUMBER

2000300

125 E College St.,Covina, CA 91723 www.covinaca.gov

Inspection Request Line (626)384-5461

Inspection confirmation line (626)384-5400 ext 5907

JOB ADDRESS: 1330 E CYPRESS ST

AIN: 8427-001-006

DATE Issued: 04/20/2020

DESCRIPTION OF WORK:
Modifications to Existing Wireless Facility. Install New 2" U/G Conduit & 1 17x30 Hand Hole.Install New Fiber Box.

Permit Valuation: $10000
Permit Fees Paid: $1,033.69

Property Owner
LUMEN TECHNOLOGIES INC

Applicant
COASTAL BUSINESS GROUP

Contractor Information (Area within this box is to be left blank if this an owner/builder permit)

JITNEY COMPANY INC	LICENSE NUMBER: 314816 719304
	LICENSE CLASS: A, B, C-10

Worker's Compensation Declaration

I hereby affirm under penalty of perjury one of the following declarations:

_____I have and will maintain a certificate of consent to self-insure for worker's compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

__X__I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My worker's compensation insurance carrier and policy number are:

Carrier: STATE FUND **Policy#** 9022086-19

_____ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the worker's compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Contractor Certification

I hereby certify that all the information in this box is true and correct. I further certify that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business d Professions Code, and my license is in full force and effect. I have verified the above contractor's License Class and number as noted above.

Contractor Signature: _____ **Date:** 07/30/2020

Applicant's Declaration

I certify that I have read and examined this application and state that the above information is correct, and that I am the owner or the duly authorized agent of the owner. I agree to comply with all city ordinances and state laws relating to building construction and, hereby, authorize representatives of this city to enter upon the above-mentioned property for inspection purposes. If demolition is included, to the best of my knowledge, none of the structures that are to be demolished have a historical significance. I agree, as a condition of approval of this Permit, to indemnify, defend and hold harmless, at my expense, the City of Covina ("City") and City 's agents, officers and employees from and against any claim, action or proceeding to attack, review, set aside, void or annul the approval of this permit, including any determination made by City under the California Environmental Quality Act or to challenge the reasonableness, legality or validity of any condition attached to the permit. I understand and agree that City shall promptly notify me of any such claim, action or proceeding to which City receives notice, and City will cooperate fully with me and my legal counsel in the defense thereof. I understand and agree that I shall reimburse the City for any court costs and attorney's fees that the City may be required to pay as a result of any such claim, action or proceeding. City may, in its sole discretion, participate in the defense of any such claim, action or proceeding, but such participation shall not relieve me of the obligations of under this indemnification agreement.

I also understand that this permit expires (i) if work or authorized construction is not commenced within 12 month (365-days), Demolition permits and permits for code enforcement cases expire 60 days after issuance unless the Building Official grants an extension (of no more than 180 days) in writing.

All provisions of laws and ordinances governing this type of work shall be complied with whether specified herein or not. I understand that the permits presuming to give authority to violate or cancel the provisions of the above laws and ordinances or permits issued in error or on the basis of incorrect information supplied shall be invalid.

Applicant Signature: _____ **Print Name:** GORDON DOWELL

CITY OF COVINA

125 E College Ave
Covina, CA 91723-2199
626-384-5460
www.covinaca.gov

Permit Application Form

#2000300 IE04095A

Date: 03/05/2020

CID# 106977

Single-Family Residential ☐ Multi-Family Residential ☐ Commercial ☑ Industrial ☐ Demolition ☐

Site Address 1330 E Cypress Street	APN# 8427-001-006
Property Owner's Name TT Electronics Power Solutions US, Inc.	
Mailing address 1330 E Cypress Street, Covina, CA 91724	
Phone #	Email:
Licensed Contractor TBD	License Class & Number
Mailing Address	
Phone #	Email:
Applicant Contact (If different from above) Rachel K. Evans, Coastal Business Group, Inc. on behalf of T-Mobile	
Mailing Address 24310 Moulton Pkwy, Suite O #1009, Laguna Hills, CA 92637	
Phone # (949) 336-1550	Email: revans@coastalbusinessgroup.net
JOB VALUATION $10,000	Description of Work: (additional space on back)

Install a few feet of new 2" U/G conduit and (1) new 17"x30" hand-hole from the property line to intercept the existing U/G conduit.

Install (1) new fiber box on existing framework in rooftop lease area.

Structures	Sq.Ft.	Reroofs	Squares	Qty	Signs	Sq.Ft.
NEW		Comp. Shingle			Wall	
Addition		Light Weight Tile			Monument	
Alter/Remodel		Cement Tile			Pole	
Garage		Built-up			**Repairs**	
Carport		Metal/Other			Drywall/Insulation-(Linear Ft.)	
Tenant Improvement		Tear off? Yes No			Sandblast	
Demolition					Stucco/Siding	
Accessory Structures		**Walls/Fences**	Sq.Ft		Stone Veneer	
Guest Room/Rec Room		Masonry			Aluminum Siding	
Cabana		Wood				
Storage/Shed		Wrought Iron			**Flatwork**	
Reframe Roof		Pilasters w/ Wrought Iron			Driveway	
Other		Vinyl			Walkway	
Patios/Porches		Other/Temp			Concrete Slab	
Wood Cover		**Change-Outs**	Qty		**Pools**	
Metal Cover		Window-Replacement			Vinyl	
Enclosure		Doors			Gunite/Replaster	
Awnings		**Fireplaces**			Fiberglass	
Canopies		Masonry			**Spas**	Qty
Decks		Prefab			Spa/Hot Tub	
Balconies		BBQ			Sauna	

Turn page over for Electrical, Mechanical, and Plumbing Information

Coastal Business Group, Inc.

April 22, 2020

Chris Le
T-Mobile West LLC
2008 McGaw Avenue
Irvine, CA 92614

Re: T-Mobile Site ID# IE04095A (AAV CRN15)
Building Permit Ready-to-Issue Notice

Please be advised that T-Mobile Site ID# **IE04095A (AAV CRN15)** has reached Ready-to-Issue status, effective as of April 22, 2020. Confirmation has been made with the City of Covina, Building Department.

Site Name:	VY095 Perkins Elmer
Project Address:	1330 E. Cypress Street
City/State/ZIP:	Covina, CA 91724
Building Permit #:	2000300
Building Permit Fees:	$748.17 paid by CBG
Plan Check Fees:	$305.90 paid on 03/05/2020
Plan Check Expiration Date:	N/A
Notes:	Plans were submitted to the Building Department on 03/05/20 and a plan check fee of $305.90 was paid at that time. Confirmation has been made with the Building Department that the permit is ready for issuance, and CBG has paid the Building Permit fee of $748.17. **The contractor will need to call the City of Covina, Building Department at (626) 384-5460 when they arrive at the City as the job card(s) are located inside the pick-up area in the East wing of city hall. The application number is: 2000300. There are no remaining fees to be paid.** Once issued, the permit will expire after 12 months. Please contact Rachel K. Evans at (949) 336-1550 with any questions/concerns.
Jx Contact Information:	City of Covina, Building Department – (626) 384-5460
Business Address:	125 East College Street, Covina, CA 91723
Business Hours:	Monday – Thursday: 7:00 AM to 6:00 PM, & closed Fridays
Location of Plans:	City of Covina, Building Department – (626) 384-5460
Business Address:	125 East College Street, Covina, CA 91723

Other Requirements:

1. **City Business License**
2. **Contractor's License**
3. **Worker's Compensation Certificate**
4. **T-Mobile Letter of Authorization**

Please contact me should you have any questions.

Regards,

Rachel K. Evans
Coastal Business Group, Inc.
949-336-1550

California Licensed Contractor's Declaration and Owner-Builder's Declaration

Address: 1330 E. CYPRESS STREET, COVINA **Project #:** 2000300

1. CALIFORNIA LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Contractor Name and Address JITNEY COMPANY, INC. 1541 COMMERCE STREET, CORONA, CA 92880

State Contractor's License No. and Class 719304 A, B, C-10 Contractor Signature [signature]

Business License Number 03705482 Expiration Date 12/31/2020

2. WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

( ) **I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations** as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
Policy No.

(X) **I have and will maintain workers' compensation insurance,** as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:
Carrier STATE FUND Policy No 9022086-19 Exp Date 08/15/2020

Name of Agent UNICKEL & ASSOCIATES Tel No 909-890-9237

( ) **I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California,** and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: *FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000.00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.*

3. VERIFICATION OF APPLICATION, LAW COMPLIANCE AND INSPECTION ACCESS.

By my signature below, I certify to each of the following:

- I have read this construction permit application and the information I have provided is correct.
- I agree to comply with all applicable city and county ordinances and state laws relating to building construction.
- I authorize representatives of this city or county to enter the above-identified property for inspection purposes.

I am ( ) the California licensed contractor or (X) authorized agent acting on the contractor's behalf.

California Licensed Contractor:

Signature [signature] Date 07/29/2020

Contractor's Authorized Agent:

Name (print) GORDON DOULL Signature [signature] Date 07/29/2020

Address of Authorized Agent 8322 DARSY DRIVE, HUNTINGTON BEACH, CA 92647

4. DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction-lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).
Lender's Name and Address NOT APPLICABLE

5. CONTRACTOR PERMIT PROXY

If the Contractor does not carry worker's compensation insurance and is not available to personally complete the permit application at the Long Beach City Hall, the above information may be completed and signed by the licensed contractor and submitted by proxy. The application declarations must be completely filled out and signed by the contractor in three (3) appropriate places (California Licensed Contractor's Declaration, Worker's Compensation Declaration and Verification of application, Law Compliance and Inspection Access). **In addition to completing the above information, the contractor must provide a copy of the front and back of the signed contractor's state license card.** Please note that the license holder must sign the reverse side of the state licensed card.

Address: 1330 E. CYPRESS STREET, COVINA **Project #:** 2000300

1. OWNER-BUILDER'S DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the reason(s) indicated below by the checkmark(s) I have placed next to the applicable item(s) (Section 7031.5, Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt from licensure and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).).

(_) **I, as owner of the property, or my employees with wages as their sole compensation, will do (_) all of *or* (_) portions of the work,** and the structure is not intended or offered for sale (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who, through employees' or personal effort, builds or improves the property, provided that the improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the Owner-Builder will have the burden of proving that it was not built or improved for the purpose of sale).

(_) **I, as owner of the property, am exclusively contracting with licensed Contractors to construct the project** (Section 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who contracts for the projects with a licensed Contractor pursuant to the Contractors' State License Law).

(_) **I am exempt from licensure under the Contractors' State License Law for the following reason:**

_____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.ca.gov/calaw.html.

Property Owner or Authorized Agent signature NOT APPLICABLE Date _____

2. WORKERS' COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

(_) **I have and will maintain a certificate of consent to self-insure for workers' compensation, issued by the Director of Industrial Relations** as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
Policy No. _____

(_) **I have and will maintain workers' compensation insurance,** as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:
Carrier _____ Policy No _____ Exp Date _____

Name of Agent _____ Tel No _____

(_) **I certify that, in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California,** and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: *FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000.00), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.*

3. DECLARATION REGARDING CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction-lending agency for the performance of the work for which this permit is issued (Section 3097, Civil Code).
Lender's Name and Address NOT APPLICABLE

By my signature below, I certify to each of the following:

- I have read this construction permit application and the information I have provided is true and correct.
- I agree to comply with all applicable Long Beach City, county ordinances and state laws relating to building construction.
- I authorize representatives of this city or county to enter the above-identified property for inspection purposes.

I am (__) the property owner or (__) authorized agent acting on the property owner's behalf.

The Notice to Property Owner form shall accompany this document. The property owner must complete the Authorization of Agent section on the form when an authorized agent is acting on the property owner's behalf.

Signature _____ Date _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Riverside

On 5-14-19 (Date) before me, Brenda Stone (Here Insert Name and Title of the Officer)

personally appeared James Cunningham (Name(s) of Signer(s))

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

BRENDA STONE
Notary Public - California
Riverside County
Commission # 2260196
My Comm. Expires Oct 24, 2022

Place Notary Seal and/or Stamp Above

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Brenda Stone
Signature of Notary Public

OPTIONAL

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____	Signer's Name: _____
☐ Corporate Officer – Title(s): _____	☐ Corporate Officer – Title(s): _____
☐ Partner – ☐ Limited ☐ General	☐ Partner – ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact	☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian of Conservator	☐ Trustee ☐ Guardian of Conservator
☐ Other: _____	☐ Other: _____
Signer is Representing: _____	Signer is Representing: _____

©2017 National Notary Association

JITNEY
COMPANY, INC.

May 14, 2019

To Whom It May Concern:

The following letter authorizes Gordon Doull to pull permits on behalf of Jitney Company, Inc thru 8-15-2020.

Should you have any questions or require further clarification to any of the above referenced subject, please do not hesitate to contact me.

Sincerely,

James A. Cunningham
President

dca CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE

719304 CORP

JITNEY COMPANY INC

Office: 1541 Commerce Street, Corona, CA 92880 (951) 898-1122 (951) 898-1124 FAX

Permit # B00-007-124 Permit Type Plumbing

Situs Address 1330 E Cypress St

Permit Type	**Plumbing**		Permit No	**B00-007-124**	System Status	**Final**	
Situs Address	**1330 E Cypress St**				Agency Status	**Finaled**	
Situs City	**Covina, CA 91724**				Application Date	**09/27/2012**	
Parcel No	**8427-001-006**		Geo Area		Issue Date	**09/27/2012**	
Project No			Case No		Expire Date	**04/20/2013**	
Tract No		Lot No	Block No		Final Date	**10/22/2012**	
TRA	**02645**	Census			Occupancy		
Use	**3100 - Light Manufacturing, 1 Story**		Zoning	**CVM1**	Valuation		**0.00**
No of Units	**0**	# Bathrms **0.00**	Occup Grp		Constr. Type		
No of Stories	**0**	# Bedrms **0**	Square Feet	**54,672**	Sprinklered	**No**	
Description	**Installation of a 3 Backflow Prevention Device on Water Supply.**						

Owner

Lumen Technologies Inc	940 Winter St Waltham, MA 02451	PHONE NO. FAX NO.

Applicant

NO ACTIVE APPLICANTS

Tenant

NO ACTIVE TENANTS

Service Provider

Service Provider Type	Contractor	Status	Active
Contact	Perusse, Dan	Active	Yes
Title			
Company	Perusse Plumbing Corp.		

Phone	(626) 915-3964
Fax	
Email Address	

Address
708 S Corrida Dr
Covina, CA 91724

Mailing Address
708 S Corrida Dr
Covina, CA 91724

License Information

State License No.	468055	Expires	01/31/2013
Type:	C36		
City License No.	035220	Expires	12/31/2012

Permit # B00-007-124 Permit Type Plumbing

Situs Address 1330 E Cypress St

Inspections

Department	Description	Scheduled	Assign To	Inspect By	Date	Status	Units	#	Hours
Plumbing									
Building	Engineering-Setbacks					Open		1	
Building	Foundation/Forms					Open		1	
Building	Rebar/A.B./H.D.					Open		1	
Building	RE 1:					Open		1	
Building	RE 2:					Open		1	
Building	NO POUR UNTIL APPROVED					Open		1	
Electric	Underfloor Electric					Open		1	
Plumbing	Underfloor Plumbing					Open		1	
Mechanical	Underfloor Mechanical					Open		1	
Building	Floor Joist/Insulation					Open		1	
Building	RE 3:					Open		1	
Building	RE 4:					Open		1	
Building	NO FLOOR POUR UNTIL APPRO					Open		1	
Electric	Rough Electrical					Open		1	
Plumbing	Rough Plumbing	10/16/2012	KF	kf	10/16/2012	Approved		1	0
Mechanical	Rough Mechanical					Open		1	
Building	Framing					Open		1	
Building	Block Wall Pre-Grout					Open		1	
Building	RE 5:					Open		1	
Building	RE 6:					Open		1	
Building	NO COVER WORK UNTIL APPRC					Open		1	
Building	Exterior Lath					Open		1	
Building	Exterior Shear Panel					Open		1	
Building	Insulation					Open		1	
Building	Smoke Detectors					Open		1	
Building	Drywall/Lath					Open		1	
Building	Roof Sheathing					Open		1	
Building	Sewer/Septic					Open		1	
Plumbing	Grease Trap/Interceptor					Open		1	
Plumbing	Gas Test					Open		1	
Building	RE 7:					Open		1	
Building	RE 8:					Open		1	
Building	FINAL INSPECTIONS	10/22/2012	KF	kf	10/22/2012	Approved		1	0
Fire	Fire Department					Open		1	
Building	Planning Division					Open		1	
Building	Engineering Division					Open		1	
Building	Utility Release					Open		1	
Building	Electrical Release					Open		1	
Building	Gas Release					Open		1	
Electric	Final Electric					Open		1	
Plumbing	Final Plumbing	10/22/2012	KF	kf	10/22/2012	Approved		1	0
Mechanical	Final Mechanical					Open		1	
Building	Final Building					Open		1	

Permit # B00-007-124 Permit Type Plumbing

Situs Address 1330 E Cypress St

Approvals

Department	Description	Referred	Completed	Date	Status	Hours
Plan Check						
Engineering	Plans received				Open	
Building	Plans Returned				Open	
Building	Revisions Submitted				Open	
Building	Revisions Approved				Open	
Plumbing						
Planning	Planning Dept				Open	
Fire	Fire				Open	
Building	Building		vi	09/27/2012	Approved	0

Conditions

Department	Description	Date	By	Initials	Status
Plumbing					
Building	Contractors License	09/27/2012	vi	vi	Met
Building	Proof of Property Ownership			vi	Open

Fees - Detail

Description	Unit of Measure	Units	Amount
Miscellaneous			
Plan Check			
Plumbing			
Permit Issue	Units - each	1.00	□15.00
Travel & Documentation (3 round trips)	Units - each	1.00	□108.00
Green Building Standards Minimum	Units - Minimum	1.00	□1.00
Building Laterals/Back Flow Prevention Device	Units - each	1.00	□33.00

Fees - Summary

Category	No. of Fees	Total Fees	Amount Paid	Balance Due
Miscellaneous	0	□0.00	□0.00	□0.00
Plan Check	0	□0.00	□0.00	□0.00
Plumbing	4	□157.00	□157.00	□0.00

Total Fees: □157.00 Total Paid: □157.00 Balance Unpaid: □0.00

Payments

Date	Receipt #	Amount	Processed By	Paid By	Payment Type	Acct #	Deleted?
09/27/2012	9,920	□157.00	VI		Check		No

Permit # B00-007-124 Permit Type Plumbing

Situs Address 1330 E Cypress St

Notes

[10/16/12, 03:24:02 PM, kf]: Provide backflow test prior to final
-Install bollards to protect backflow device from vehicular damage.

Letter received from Heather Conklin (golden state water) approving the location of the installation.

Audit Log

Date	Type	Original Value	Updated To	Description	By
01/21/2014	Report Printed			Permit Form	HKO
01/21/2014	Report Printed			Permit Form	HKO
01/09/2014	Report Printed			Permit Form	HKO
10/14/2013	Status Changed	Issued	Finaled	Agency status changed	vi
05/28/2013	Report Printed			Permit Form	fm
09/27/2012	Record Created				vi
09/27/2012	Status Changed		Issued	Initial Status	vi
09/27/2012	Issued Date		09/27/2012	Change of Issued Date	vi
09/27/2012	Report Printed			Permit Form	vi

Custom Fields

Permit # B00-007-358 Permit Type Plumbing

Situs Address 1330 E Cypress St

Permit Type	**Plumbing**			Permit No	**B00-007-358**	System Status	**Final**
Situs Address	**1330 E Cypress St**					Agency Status	**Finaled**
Situs City	**Covina, CA 91724**					Application Date	**01/10/2013**
Parcel No	**8427-001-006**			Geo Area		Issue Date	**01/10/2013**
Project No				Case No		Expire Date	**08/03/2013**
Tract No		Lot No		Block No		Final Date	**02/04/2013**
TRA	**02645**	Census	**IV 437**			Occupancy	**S-2 Low Hazard**
Use	**3100 - Light Manufacturing, 1 Story**			Zoning	**CVM1**	Valuation	**□36,000.00**
No of Units	**0**	# Bathrms	**0.00**	Occup Grp		Constr. Type	
No of Stories	**0**	# Bedrms	**0**	Square Feet	**54,672**	Sprinklered	**No**
Description	**Installation of a Ext. 750 Gallon Clarifier per Approved Plans. A permit to install an underground clarifier w/ a 750 gallon tan□ and all ABS piping in trench below ground along the west side of the building. A Zoning Fee of □78.00 due at permit issuance.**						

Owner

Lumen Technologies Inc
940 Winter St
Waltham, MA 02451
PHONE NO.
FAX NO.

Applicant

NO ACTIVE APPLICANTS

Tenant

NO ACTIVE TENANTS

Service Provider

Service Provider Type	Contractor	Status	Active
Contact	Perusse, Dan	Active	Yes
Title			
Company	Perusse Plumbing Corp.		

Phone	(626) 915-3964
Fax	
Email Address	

Address
708 S Corrida Dr
Covina, CA 91724

Mailing Address
708 S Corrida Dr
Covina, CA 91724

License Information

State License No.	468055	Expires	01/31/2013
Type:	C36		
City License No.	renew	Expires	12/31/2013

Permit # B00-007-358 Permit Type Plumbing

Situs Address 1330 E Cypress St

Inspections

Department	Description	Scheduled	Assign To	Inspect By	Date	Status	Units	#	Hours
Plumbing									
Building	Engineering-Setbacks					Open		1	
Building	Foundation/Forms					Open		1	
Building	Rebar/A.B./H.D.					Open		1	
Building	RE 1:					Open		1	
Building	RE 2:					Open		1	
Building	NO POUR UNTIL APPROVED					Open		1	
Electric	Underfloor Electric					Open		1	
Plumbing	Underfloor Plumbing					Open		1	
Mechanical	Underfloor Mechanical					Open		1	
Building	Floor Joist/Insulation					Open		1	
Building	RE 3:					Open		1	
Building	RE 4:					Open		1	
Building	NO FLOOR POUR UNTIL APPRO					Open		1	
Electric	Rough Electrical					Open		1	
Plumbing	Rough Plumbing	01/23/2013	SR	sr	01/23/2013	Approved		2	0
Plumbing	Rough Plumbing	01/17/2013	KF	kf	01/17/2013	Approved		1	0
Mechanical	Rough Mechanical					Open		1	
Building	Framing					Open		1	
Building	Block Wall Pre-Grout					Open		1	
Building	RE 5:					Open		1	
Building	RE 6:					Open		1	
Building	NO COVER WORK UNTIL APPRC					Open		1	
Building	Exterior Lath					Open		1	
Building	Exterior Shear Panel					Open		1	
Building	Insulation					Open		1	
Building	Smoke Detectors					Open		1	
Building	Drywall/Lath					Open		1	
Building	Roof Sheathing					Open		1	
Building	Sewer/Septic					Open		1	
Plumbing	Grease Trap/Interceptor	01/17/2013	KF	kf	01/17/2013	Approved		1	0
Plumbing	Gas Test					Open		1	
Building	RE 7:					Open		1	
Building	RE 8:					Open		1	
Building	FINAL INSPECTIONS	02/04/2013	KF	kf	02/04/2013	Approved		2	0
Building	FINAL INSPECTIONS	01/23/2013	SR			Open		1	0
Fire	Fire Department					Open		1	
Building	Planning Division					Open		1	
Building	Engineering Division					Open		1	
Building	Utility Release					Open		1	
Building	Electrical Release					Open		1	
Building	Gas Release					Open		1	
Electric	Final Electric					Open		1	
Plumbing	Final Plumbing	02/04/2013	KF	kf	02/04/2013	Approved		2	0
Plumbing	Final Plumbing	01/23/2013	SR			Open		1	0
Mechanical	Final Mechanical					Open		1	
Building	Final Building					Open		1	

Permit # B00-007-358 Permit Type Plumbing

Situs Address 1330 E Cypress St

Approvals

Department	Description	Referred	Completed	Date	Status	Hours
Plan Check						
Engineering	Plans received				Open	
Building	Plans Returned				Open	
Building	Revisions Submitted				Open	
Building	Revisions Approved				Open	
Plumbing						
Planning	Planning Dept		sw	01/10/2013	Approved	0
Fire	Fire				Open	
Building	Building		vi	01/10/2013	Approved	0

Conditions

Department	Description	Date	By	Initials	Status
Plumbing					
Building	Contractors License	01/10/2013	vi	vi	Met
Building	Proof of Property Ownership			vi	Open

Fees - Detail

Description	Unit of Measure	Units	Amount
Miscellaneous			
Plan Check			
City Staff Plan Check - Hourly		1.00	□133.00
Plumbing			
Permit Issue	Units - each	1.00	□15.00
Travel & Documentation (3 round trips)	Units - each	1.00	□108.00
Green Building Standards		0.00	□1.00
Green Building Standards Minimum	Units - Minimum	1.00	□1.00
Grease Interceptor/Clarifier	Units - each	1.00	□44.00

Fees - Summary

Category	No. of Fees	Total Fees	Amount Paid	Balance Due
Miscellaneous	0	□0.00	□0.00	□0.00
Plan Check	1	□133.00	□133.00	□0.00
Plumbing	5	□169.00	□169.00	□0.00

Total Fees: □302.00 Total Paid: □302.00 Balance Unpaid: □0.00

Payments

Date	Receipt #	Amount	Processed By	Paid By	Payment Type	Acct #	Deleted?
01/10/2013	10,538	□302.00	VI		Check		No

Permit # B00-007-358 Permit Type Plumbing

Situs Address 1330 E Cypress St

Notes

[01/10/13, 05:09:57 PM, vi]: Contractor provided 2x set of Planning approved plans (Shelby). Reviewed OTC @ 1hr. 1x set given to contractor as field set, 1x set retained as office set and attached to permit.

[01/10/13, 05:09:57 PM, vi]: Contractor provided 2x set of Planning approved plans (□). Reviewed OTC @ 1hr. 1x set given to contractor as field set, 1x set retained as office set and attached to permit.

Audit Log

Date	Type	Original Value	Updated To	Description	By
01/21/2014	Report Printed			Permit Form	HKO
01/21/2014	Report Printed			Permit Form	HKO
01/09/2014	Report Printed			Permit Form	HKO
02/04/2013	Status Changed	Issued	Finaled	Agency status changed	kf
01/10/2013	Copy Regular			Permit Copied	vi
01/10/2013	Status Changed	Copy	Issued	Agency status changed	vi
01/10/2013	Issued Date		01/10/2013	Change of Issued Date	vi
01/10/2013	Occupancy Change		S-2 Low Hazard	Change of Occupancy	vi
01/10/2013	Fee Changed	Yes	No	New fee (0.00) for EsGil Plan Check - Valuation	vi
01/10/2013	Fee Changed	Yes	No	New fee (0.00) for J&S Plan Check - Valuation,	vi
01/10/2013	Fee Changed	1	0	New fee (0.00) for Building Laterals/Back Flow I	vi
01/10/2013	Report Printed			Permit Form	vi

Custom Fields

City of Covina
125 East College Street
Covina, CA 91723-2199
Phone (626) 384-5460
www.covinaca.gov

PERMIT NUMBER
2431
Issue Date: 03/18/2015

Permit Tvpe: Cell Site

Final 9/09/2020

APN Number	Street Address
8427-001-006	1330 E CYPRESS ST
Zone Code	**Jurisdicton**
M1	COVINA

Owner Information	Applicant Information
Name: LUMEN TECHNOLOGIES INC Phone:	Name: Iselt Suzanne Phone: 310 3824622

Contractor Information

Name: Elmer Perkin
Address: 618 Pico Place
SANTA MONICA, CA 90405
Phone:

Building Information

Occupancy
Use:
Construction Type:
Square Foot:
Valuation: $10,000.00

Scope of Work:

Relocate 3 antennas, install 3 New antennas and 3 new RRU's

Permit Notes:

Fee Detail

QTY	DESCRIPTION	AMT DUE	QTY	DESCRIPTION	AMT DUE

Total Permit Fees:	$ 921.58

The permit/plan review expires by time limitation and becomes null and void if the work authorized by the permit is not commenced within 180 days from the date of permit issuance or the permit is not obtained within 180 days from the date of submittal. This pemit expires and becomes null and void if any work authorized by this permit is suspended or abandoned for 180 consecutive days or if no progressive work has been verified by a City building inspector for a period of 180 consecutive days. Expired permits require the payment of additional fees.

City of Covina
125 East College Street
Covina, CA 91723-2199
Phone (626) 384-5460
www.covinaca.gov

PERMIT NUMBER
2431
Issue Date: 03/18/2015

Final 9/17/2020

Permit Type: Electrical

APN Number	Street Address
8427-001-006	1330 E CYPRESS ST
Zone Code	**Jurisdicton**
M1	COVINA

Owner Information	Applicant Information
Name: LUMEN TECHNOLOGIES INC Phone:	Name: Iselt Suzanne Phone: 310 3824622

Contractor Information

Name: Tol Rithy
Address: 3231 E 19TH ST
LONG BEACH, CA 90755
Phone:

Building Information

Occupancy
Use:
Construction Type:
Square Foot:
Valuation: $10,000.00

Scope of Work:

Relocate 3 antennas, install 3 New antennas and 3 new RRU's

Permit Notes:

Fee Detail

QTY	DESCRIPTION	AMT DUE	QTY	DESCRIPTION	AMT DUE
	PERMIT ISSUANCE			OTHER ELEC INSPECTIONS	
	TRAVEL & DOCUMENTATION			NON-RES PHOTOVOLTAIC - KWH	
	SINGLE PHASE SERVICE - 100 AMP				
	THREE PHASE SERVICE - 100 AMP				
	SWITCHES/OUTLETS TO 50 - EACH				
	SWITCHES/OUTLETS >50 - EACH				
	15 -20 AMP CIR TO 10 - EACH				
	15 OR 20 AMP CIR >10 - EACH				
	20 TO 40 AMP CIRCUITS				
	50 TO 175 AMP CIRCUTS				
	200 AMP & LARGER				
	TEMPORARY SERVICE				
	TEMPORARY POLE				
	ELECTRICAL PRE-INSPECTION				
	SIGN CIRCUIT				
	SWIMMING POOL/SPA ELECTRICAL				
	RES SOLAR PHOTOVOLTAIC - 3KW				
	GENERATOR INSTALLATION				

Total Permit Fees:	$ 921.58

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City of Covina
125 East College Street
Covina, CA 91723-2199

PERMIT WORKSHEET

#6651

CID# #316910

Bldg Address 1330 E Cypress St.

Description of Work Install new sprinkler monitoring system

Type of Construction III-N
Occupancy B-2
Square Feet 55,075
Valuation $6978.00

Owner Name Excelitas Technologies Phone 626-593-6725
Address 1330 East Cypress St. Email
Applicant Name Phone
Address Email
Contractor Name VFS Fire & Security Phone 714-778-6070
Address 501 W. Southern Ave Orange CA Email Carlos.N@VFSFire.com

State License No. 689284 License Type C10 Expire Date 5/31/18 City License No. 033366

ELECTRICAL SYSTEM

# of Units	Description (Additions, Commercial, Industrial)
	Stand Alone Electrical Plan Check (hourly rate)
	New Multi-Family:
	Single Phase Service (per 100 amps)
	Three Phase Service (per 100 amps)
	Service Upgrade:
	Residential Only (100 - 200 amps)
	All Other types of Construction:
	15 or 20 amp circuits
	25 to 40 amp circuits (each)
	50 to 175 amp circuits (each)
	200 amp and larger circuits (each)
	Temporary Service (each)
	Temporary Pole (each)
	Pre-Inspection
	Sign Circuit
	Swimming pool/spa
	Solar Photovoltaic (KW)
	Generator Installation
	Other Electrical Inspections (per hour)

SEWER SYSTEM

# of Units	Description
	Conn. of house sewer to public sewer
	Conn. of addt'l work to existing sewer
	Conn. of sewer to private disposal sys.
	Installation of private disposal sys.
	Discon. or abandonment of disp. sys.
	Repair or extraction of disposal system

MECHANICAL SYSTEM

# of Units	Description
	Stand Alone Mechanical Plan Check (hourly rate)
	A/C (Residential) - (each)
	Furnances (FAU, Floor)
	Heater (Wall)
	Appliance Vent/Chimney (only)
	Refrigeration Compressor
	Boiler up to 200k BTU
	Chiller
	Fan Coil Unit
	Heat Pump Gas (Package Unit)
	Heater (Unit, Radiant, etc.)
	Air Handler w/ducts to 10k CFM
	Duct Work Only
	Evaporative Cooler
	Make up Air System
	Moisture Exhaust Duct (Clothes Dryer)
	Variable Air Volume Box (including Duct Work)
	Vent Fan (Single Duct) - (each)
	Vent System
	Exhaust Hood and Duct (Residential)
	Exhaust Hood - Type I (Comm. Grease Hood)
	Exhaust Hood - Type II (Comm. Steam Hood)
	Non-Residential Incinerator
	Refrigerator Condenser Remote
	Walk-In Box/Refrigerator Coil
	Gas Meter (First 5 Outlets)
	Gas Outlets (Each Additional)
	Other Mechanical Inspections (per hour)

PLUMBING SYSTEM

# of Units	Description
	Backflow Preventer (First 5)
	Backflow Preventer (More than 5) - (each)
	Building Sewer
	Drain-Vent Repair / Alterations
	Drinking Fountain
	Fixtures - (each)
	Gas Meter (First Outlets)
	Gas Outlets (each additional)
	Hose Bibb/Ice Maker - (each)
	Interceptor/Ejector Pump
	Medical Gas System (each outlet)
	Roof Drain/Rainwater System
	Solar Water System Fixtures (solar, panels)
	Tanks, Water Treatment Equipment
	Swimming Pool Piping and Gas
	Water Heater
	Water Pipe Repair / Repipe
	Water Service
	Other Plumbing and Gas Inspections (per hour)
	Stand Alone Plumbing Plan Check (Hourly Rate)

City of Covina
125 East College Street
Covina, CA 91723-2199
(626) 384-5460

PERMIT / PLAN REVIEW APPLICATION

LICENSED CONTRACTOR'S DECLARATION
I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C10 License No. 689284 Exp. Date 5/31/18

Signature of Contractor: _____

OWNER - BUILDER DECLARATION
I hereby affirm under penalty of perjury that I am exempt from the Contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9, commencing with Section 7000 of Division 3 of the Business and Professions Code) or that he or she is exempt there from and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500)):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law).

☐ I am exempt from licensure under the Contractors' State License Law for the following reason: _____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following Web site: http://www.leginfo.cagov/calaw.html.

Signature: _____ Date: _____

ASBESTOS REMOVAL
Through a licensed survey, does this project involve asbestos containing materials (ACM)? "SCAQMD notification is required for demolition and renovation activities." ☐ Yes ☐ No

Signature: _____ Date: _____

SEPTIC TANK NOTIFICATION
Owners of existing septic tanks have to apply for coverage if they repair any portion of the septic tank system or add any plumbing fixture units or bedroom equivalents to the facility served by the septic tank.

Signature: _____ Date: _____

WORKER'S COMPENSATION DECLARATION
I hereby affirm under penalty of perjury one of the declarations:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

Policy Number _____

☐ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My worker's compensation insurance carrier and policy number are:

Carrier Everest National Ins. Co.

Policy Number 5300002625

Exempt from Workers' Compensation

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 8/3/16 Applicant _____

WARNING: Failure to secure Workers' Compensation Coverage is unlawful, and shall subject an employer to criminal penalties and civil fines up to One Hundred Thousand Dollars ($100,000), in addition to the cost of compensation, damages as provided for in Section 3706 of the Labor Code, interest and attorney's fees.

CONSTRUCTION LENDING AGENCY
I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097.Civ.C.)

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this City to enter upon the property for inspection purposes.

Date _____ Signature _____

SWIMMING POOL SAFETY REQUIRED UPGRADES (effective 1/1/2007)
Excerpt from California Health and Safety Code Section 115928
"115928(d) Whenever a building permit is issued for the remodel or modification of a single family home with an existing swimming pool, toddler pool, or spa, the permit shall require that the suction outlet of the existing swimming pool, toddler pool, or spa be upgraded so as to be equipped with an anti-entrapment cover meeting current standards of the American Society for Testing and Materials (ASTM) of the American Society of Mechanical Engineers (ASME)." To view the entire code, please visit: http://www.leginfo.ca.gov/calaw.html.

NAME Carlos Valdes TITLE Designer

Print name and title

I certify that I have read this application and state that the above information is correct and that I am the owner or the duly authorized agent of the owner. I agree to comply with all city and state laws relating to building construction. I hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes. If, after making the Certificate of Exemption from the Worker's Compensation provisions of the Labor Code, I should become subject to such provisions, I will forthwith comply. In the event I do not comply with Workmen's Compensation law, this permit shall be deemed revoked.

SIGNATURE _____ DATE 8/3/16

This permit/plan review expires by time limitation and becomes null and void if the work authorized by the permit is not commenced within 180 days from the date of permit issuance or if the permit is not obtained within 180 days from the date of plan submittal. This permit expires and becomes null and void if any work authorized by this permit is suspended or abandoned for 180 consecutive days or if no progressive work has been verified by a City building inspector for a period of 180 consecutive days. *Expired permits require the payment of additional fees.*

Rev. 1/09

AUTHORIZATION OF AGENT TO ACT ON BEHALF LICENSED CONTRACTOR

I Kwin Gregory hereby authorize the following person to act as an agent to apply for, sign, and file the documents necessary to pull building permit/s for the below referenced project.

PROJECT INFORMATION:

Project Address: 1330 E. Cypress St. Covina CA 91724

Description of Work:
Install a new Sprinkler Monitoring System

BUSINESS OWNER / CONTRACTOR'S INFORMATION

Business / Contractor's Name: VFS Fire & Security Phone#: 714-778-6070
Name of Authorized Owner/Officer: Kevin Gregory Title: ETL
California State Contractor's License Number: 689284 Classification: C-16
Business / Contractor's Address: 501 W. Southern Ave
City: Orange State: CA Zip: Phone: 92865

AUTHORIZED AGENT INFORMATION

***Please note that authorized agent will be required to provide identification at time of building permit application/issuance ***

Name of Authorized Agent: Carlos Viddles Phone No.: 714-778-6070
Address of Authorized Agent: 501 W. Southern Ave Orange CA 92865

DECLARATION

I declare under penalty of perjury that I am the authorized owner/officer of the above referenced contractor license number and certify to the accuracy of this authorization form.

Contractor's signature: Kwin Gregory Date: 8/2/16

City of Covina
125 E. College Street
Covina, CA 91723-2199
(626) 384-5510

Official Receipt

Receipt Number 105503

Receipt Date
08/03/16

Received from:

TIME: 13:42
CLERK: 6449sgon

Charge Code	Org - Object - Proj	Comment	Description	Amount
BSGBS				$1.00
FIRERV				$266.00
BSBLDG				$133.00
BSMNTC				$2.66
	23700000 20422			
	10104100 43173			
	10104100 41200			
	21854100 43401			

PAID BY: LUMEN TECHNOLOGIES I
PAYMENT METH: CHECK
26254

AMT TENDERED: $402.66
AMT APPLIED: $402.66
CHANGE: $.00

OFFICIAL INSPECTION REPORT

Los Angeles County Fire Department - Health Hazardous Materials Division
Certified Unified Program Agency - Participating Agency
East District Office
5200 Irwindale Avenue, Suite 205
Irwindale, CA 91706
Telephone: (626) 430-3260 / Fax: (626) 337-0735
www.fire.lacounty.gov/hhmd

BUSINESS: TT ELECTRONICS			**INSPECTION DATE:** 8/19/2020
ADDRESS: 1330 E CYPRESS ST	**CITY/STATE/ZIP:** COVINA, CA 91724		**TELEPHONE #:** (626) 699-6400
OWNER: TT ELECTRONICS POWER SOLUTIONS INC		**EMAIL:** EVA.KEMPANOWSKI@EXCELITAS.COM; mike.garcia@excelitas.	
FA: FA0008553	**PR:** PR0002422	**PE:** 3002 HM HANDLER, FEE GROUP 02	**SERVICE:** LICENSE INVESTIGATION

☐ - No violations observed at the time of inspection.

OVERALL INSPECTION COMMENTS

Consent given by:

Attention: Non-compliance could result in re-inspection fees, permit revocation, and/or administrative/civil/criminal penalties. A re-inspection may occur at any time to verify compliance. Any time granted for correction of the violation(s) does not preclude any enforcement action by this Department or other agencies.

It is improper and illegal for any County officer, employee or inspector to solicit bribes, gifts, or gratuities in connection with performing their official duties. Improper solicitations include requests for anything of value such as cash, discounts, free services, paid travel or entertainment, or tangible items such as food or beverages. Any attempt by a County employee to solicit bribes, gifts or gratuities for any reason should be reported immediately to either the County manager responsible for supervising the employee or the Fraud hotline at (800) 544-6861 or www.lacountyfraud.org. YOU MAY REMAIN ANONYMOUS.

SIGNATURES

A D Silva

ASSUMPTA DESILVA
Hazardous Materials Specialist II

Attachments

Los Angeles County Fire Department - Health Hazardous Materials Division
Certified Unified Program Agency - Participating Agency
East District Office
5200 Irwindale Avenue, Suite 205
Irwindale, CA 91706
Telephone: (626) 430-3260 / Fax: (626) 337-0735
www.fire.lacounty.gov/hhmd

BUSINESS:	FA:	INSPECTION DATE:
TT ELECTRONICS	FA0008553	8/19/2020

PREVIOUS INSPECTIONS

Activity Date	Program Element	Rercord ID	Service	Result	Action	Activity Min	Travel Min	Inspector ID
12/01/2017	1003	PR0023632	053	22	03	30	0	EE0000075
12/05/2017	1003	PR0023632	053	01	02	30	0	EE0000075
12/06/2017	2002	PR0042581	053	01	02	30	0	EE0000075
06/13/2018	3002	PR0002422	001	02	01	60	0	EE0000091
06/13/2018	1003	PR0023632	001	01	00	60	0	EE0000091
06/13/2018	2002	PR0042581	001	02	01	60	0	EE0000091
07/11/2018	3002	PR0002422	002	01	02	30	0	EE0000091
07/11/2018	2002	PR0042581	002	01	02	45	15	EE0000091
08/05/2020	3099	FA0008553	057	00	00	1	0	EE9999998
08/19/2020	0200	CO0033826	003	17	17	15	0	EE0000091
08/19/2020	3002	PR0002422	001	01	00	90	30	EE0000091
08/19/2020	1003	PR0023632	012	23	15	15	0	EE0000091
08/19/2020	1003	PR0023632	001	01	00	90	0	EE0000091
08/19/2020	3002	PR0002422	012	23	15	15	0	EE0000091

VIOLATIONS LIST

Open	Activity Date	Program Element	Viol Status	Service	Result	Action	Violation Degree	Comply on Date	Description
	06/13/2018	3002	OU	001	02	01	Minor	07/11/2018	Complete Hazardous Materials Inventory information electronically submitted
	06/13/2018	2002	OU	001	02	01	Class 2	07/11/2018	Onsite CE HW Treatment Notification Information submitted

LOG SHEET

INSPECTOR FIELD NOTES

Wednesday, August 19, 2020 - ASSUMPTA DESILVA
Responded to complaint CO0033826
Complaint is justified.
Ownership/DBA change effective 7/1/2020

TT ELECTRONICS
1330 E CYPRESS AVE
COVINA, CA 91724

BUSINESS:	FA:	INSPECTION DATE:
TT ELECTRONICS	FA0008553	8/19/2020

FA008553
Number of employees: 43
EPA ID NUMBER: CAL000453832

Nature of Business: TT electronics manufacture electronic parts such as power supply modules, converters and power regulators.
Consent given by Craig Auzenne

WALK THROUGH:

Wave Solder Machine:
- solder is applied on circuit boards
- satellite HW: solder gross (1) x 5-gallon pail
- satellite HW: wire/solder tips (1) x 5-gallon pail'

Armor Clean Washer
- uses soap and water to remove moisture from circuit board
- Spent soap and water is collected in 5-gallon pail
- Spent water is non-hazardous (Discarded in their clarifier)

Assembly Area:
(2) Flammable Cabinets:
Contents:
Acetone: 12 x 1-gallon containers
IPA: 4 x 1-gallon containers
Solder Flux: (1) x 1-gallon container

Surface Mount Department:
Stencil Cleaner: uses SMT Detergent diluted with water.
Oven: melts component down on circuit board

Coatings/ Bonding:
- Uses alcohol, DI water
- Test parts for cleanliness

Mini Spray Booth
- UV coating
- sprays humiseal
- HW: Solid debris (1) x 55-gallon drum

Chambers Environmental:
- Test circuit boards at high and low temperatures

Hazardous Waste Storage Room:
Oily Water: 1 x 55-gallon drum
Waste instapak (polymeric diphenylmethane diisocyanate) 2 x 5-gallon containers
Waste instapak B: 1 x 5-gallon container
Solid Debris with lead: 2 x 55-gallon drum

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www.fire.lacounty.gov/hhmd

BUSINESS:	**FA:**	**INSPECTION DATE:**
TT ELECTRONICS	FA0008553	8/19/2020

Waste Alcohol: 1 x 55-gallon drum
Glycol ether: 1 x 5-gallon pail
Solder Dross: 1 x 5-gallon pail
Universal Wastes: 3 x 5-gallon pails

Inside flammable Cabinets:
For lab pack:
Alodine pens: (7)
paint hardener: (2) x 5-gallon
Humiseal: (16) containers at (1) Liter
solder flux, 2 x (1)-gallon container

Hazardous Materials:
Liquid Nitrogen: 1 x 1500-gallon tank

DOCUMENTS:
- CERS submittal
  Submitted under CERS ID 10844161
- Manifests
  # 021295922JJK, Worldwide Recovery, 4/14/2020, waste flammable liquids/ solids
  # 021295870JJK, Worldwide Recovery, 4/14/2020, , 240 lbs oily debris, 55-gallons oily water
  # 021295871 JJK, Worldwide Recovery4/14/2020, 36 lbs of waste solid with lead
2019/ 2018 waste manifests on file

No significant violations observed.

INSPECTION REPORT

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Business: EXCELITAS TECHNOLOGIES CORP		**Inspection Date:** 06/13/2018
Address: 1330 E CYPRESS ST	**City/State:** COVINA CA 91724	**Telephone:** (626) 593-6678
Owner: EXCELITAS TECHNOLOGIES CORP	**Email:** mike.garcia@excelitas.com	
FA #: FA0008553	**Multi-program Inspection #:** W4QQ-AV4I	**Inspection Type:** ROUTINE INSPECTION

This document constitutes a Summary of Violations reported by the inspector; and a Notice to Comply for all cited minor violations.

OUT = Out of Compliance COS = Corrected on Site RPT = Repeat Violation

Checklist: HW SQG
Checklist: TP-CESW
Checklist: HM

PROGRAM ELEMENT: HAZARDOUS MATERIALS HANDLER

RECORD ID: PR0002422

INSPECTED BY: ASSUMPTA DESILVA

Complete Hazardous Materials Inventory information electronically submitted

MINOR

COMPLY BY: 7/13/2018

☒ **OUT** ☐ **COS** ☐ **RPT**

Violation Description:
Failure to complete and electronically submit hazardous material inventory forms information for all reportable hazardous materials on site at or above reportable quantities. HSC 6.95 25506, 25505(a)(1), 25508(a)(1)

Violation Comment:
OBSERVATION: The hazardous materials inventory submitted in CERS is not accurate. There are chemicals reported in CERS that are no longer used at the facility.

CORRECTIVE ACTION: Review and update the hazardous materials inventory submitted in CERS.

OVERALL INSPECTION COMMENTS

Consent Given By:
CRAIG AUZENNE

PROGRAM ELEMENT: HAZARDOUS WASTE GENERATOR

RECORD ID: PR0023632

INSPECTED BY: ASSUMPTA DESILVA

☒ - **No violations observed for this program at the time of inspection.**

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Business:	**FA #:**	**Date:**
EXCELITAS TECHNOLOGIES CORP	FA0008553	06/13/2018

OVERALL INSPECTION COMMENTS

Consent Given By:
CRAIG AUZENNE

NO SIGNIFICANT VIOLATIONS OBSERVED

PROGRAM ELEMENT: TIER-CESW

RECORD ID: PR0042581

INSPECTED BY: ASSUMPTA DESILVA

Onsite CE HW Treatment Notification Information submitted

CLASS II

COMPLY BY: 7/13/2018

☒ **OUT** ☐ **COS** ☐ **RPT**

Violation Description:
Failure to submit the signature page for the onsite treatment notification. HSC 6.5 25201.5(d)(7)

Violation Comment:
OBSERVATION: Notification information for treating hazardous waste onsite has not been submitted to CERS. No person may treat hazardous waste onsite without submitting notification sixty (60) days prior to beginning the first treatment of hazardous waste.

CORRECTIVE ACTION: Immediately submit the required hazardous waste treatment notification to CERS for review by the CUPA.

OVERALL INSPECTION COMMENTS

Consent Given By:
CRAIG AUZENNE

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Business:	**FA #:**	**Date:**
EXCELITAS TECHNOLOGIES CORP	FA0008553	06/13/2018

Signatures

CRAIG AUZENNE
SENIOR MAINTENANCE TECHNICIAN-

Assumpta Desilva
Hazardous Materials Specialist II
Lead Inspector

PREVIOUS INSPECTIONS

Activity Date	PE	Rercord ID	Serial No.	Group Code	Service	Result	Action	Activity Min	Travel Min	Inspector ID
08/05/2015	3002	PR0002422	DAIUMER5I		001	01	00	50	40	EE0000075
08/05/2015	2002	PR0042581	DAMXM2YXC		001	02	01	50	0	EE0000075
08/05/2015	1003	PR0023632	DANAONNHC		001	02	01	50	0	EE0000075
09/04/2015	1003	PR0023632	DA0807191		053	01	02	15	0	EE0000075
09/04/2015	2002	PR0042581	DA0807196		053	01	02	15	0	EE0000075
12/01/2017	1003	PR0023632	DA8JKXBWI		053	22	03	30	0	EE0000075
12/05/2017	1003	PR0023632	DASTLBTQY		053	01	02	30	0	EE0000075
12/06/2017	2002	PR0042581	DACW6FSD0		053	01	02	30	0	EE0000075
06/13/2018	3002	PR0002422	DADNWELVU	W4QQ-AV4I	001	02	01	60	0	EE0000091
06/13/2018	1003	PR0023632	DASVMIAVQ	W4QQ-AV4I	001	01	00	60	0	EE0000091
06/13/2018	2002	PR0042581	DAXTU0FCZ	W4QQ-AV4I	001	02	01	60	0	EE0000091
07/11/2018	3002	PR0002422	DAOULOXME		002	01	02	30	0	EE0000091
07/11/2018	2002	PR0042581	DAMLMOSN8		002	01	02	45	15	EE0000091

VIOLATIONS LIST

Open	Activity Date	Program Element	Viol Status	Service	Result	Action	Violation Degree	Comply on Date	Description
	08/05/2015	2002	OU	001	02	01	Minor	07/11/2018	Amended Onsite HW Treatment Notification Information submitted
	08/05/2015	1003	OU	001	02	01	Minor	12/05/2017	Owner/Operator maintained a signed copy of manifests from the designated facility for 3 years
	06/13/2018	3002	OU	001	02	01	Minor	07/11/2018	Complete Hazardous Materials Inventory information electronically submitted
	06/13/2018	2002	OU	001	02	01	Class 2	07/11/2018	Onsite CE HW Treatment Notification Information submitted

LOG SHEET

INSPECTOR FIELD NOTES

June13, 2018 - ASSUMPTA DESILVA
Conducted hazardous waste, hazardous materials and tiered permit inspection.
Consent and walk through given by Craig Auzenne.

Excelitas Technologies manufacture electonic parts such as power supply modules, converters and power regulators.

Walk Through:

Surface Mount Department:
Stencil Cleaner: uses SMT Detergent diluted with water.
Oven: Melts solder

Coatings/ Bonding:
-Uses alcohol, DI water
- test parts for cleanliness

[redacted]: _ UV coating
Curing Machine:- Cures the UV
Vibration Machines - check for failure

Business:	FA #:	Date:
EXCELITAS TECHNOLOGIES CORP	FA0008553	06/13/2018

Flammable Cabinets:

Acetone: 20 @ 1-gallon container
IPA: 3 @ 1-gallon

Satellite accumulations:
- floor sweepings with Lead
- Solder Dross
- Wires with Lead
- E-waste

Isocyanate:
Part A: 1 x 15-gllon container
Part B: 1 x 15-gallon container

Hazardous Waste Storage Area:
- Waste Alcohol: 1 x 55-gallon drum
- Waste ink cartridges: 1 x 55-gallon drum
- Waste Solid Debris (Rags/gloves): 1 x 55-gallon drum
- Solid wires with lead: 1 x 55-gallon drum
- Universal Waste (batteries) : 1 x 5-gallon container
- Solid Dross: 1 x 5-gallon container

Liquid Nitrogen: 1 x 1500-gallon tank

Evaporator:
- treats the oily water condensate from compressors and the stencil cleaner solution.
- business keeps log of volume treated. They average 15 to 20 gallons per month.

Manifests: (On file)
CERS: Need corrections

July 11, 2018 - ASSUMPTA DESILVA
Conducted follow up inspection.
Business disconnected their evaporator.
They will be shipping out their oily water.

TP permit deleted effective 7/11/2018.

INSPECTION REPORT

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Business: EXCELITAS TECHNOLOGIES CORP			**Inspection Date:** 08/05/2015
Address: 1330 E CYPRESS ST		**City/State:** COVINA, CA 91724	**Telephone:** (626) 593-6678
Owner: EXCELITAS TECHNOLOGIES CORP		**Email:** mike.garcia@excelitas.com	
FA #: FA0008553	**PR:** PR0002422	**Program Element:** HM HANDLER, FEE GROUP 02	**Inspection Type:** ROUTINE INSPECTION

☒ - No violations observed at the time of inspection.

OUT = Out of Compliance COS = Corrected on Site RPT = Repeat Violation

OVERALL INSPECTION COMMENTS

Consent Given By:
DAVID FUSSEL, MANAGER

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Signatures

DAVID FUSSEL
MANAGER

Bob Nasseri
Hazardous Materials Specialist II

PREVIOUS INSPECTIONS

Activity Date	PE	Rercord ID	Serial No.	Group Code	Service	Result	Action	Activity Min	Travel Min	Inspector ID
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08/05/2015	1003	PR0023632	DANAONNHC		001	02	01	50	0	EE0000075
09/04/2015	1003	PR0023632	DA0807191		053	01	02	15	0	EE0000075
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06/13/2018	2002	PR0042581	DAXTU0FCZ	W4QQ-AV4I	001	02	01	60	0	EE0000091
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07/11/2018	2002	PR0042581	DAMLMOSN8		002	01	02	45	15	EE0000091

VIOLATIONS LIST

Open	Activity Date	Program Element	Viol Status	Service	Result	Action	Violation Degree	Comply on Date	Description
	08/05/2015	2002	OU	001	02	01	Minor	07/11/2018	Amended Onsite HW Treatment Notification Information submitted
	08/05/2015	1003	OU	001	02	01	Minor	12/05/2017	Owner/Operator maintained a signed copy of manifests from the designated facility for 3 years
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	06/13/2018	2002	OU	001	02	01	Class 2	07/11/2018	Onsite CE HW Treatment Notification Information submitted

LOG SHEET

BOB NASSERI

HM,HW,TP - inspection conducted. notice was issued for HW (no current manifest) and TP for possible unapproved use o treatment system to treat lead containing oily water.

INSPECTOR FIELD NOTES

BOB NASSERI

MFG. CIRCUIT BOARDS. USE SOLDERING. USE SOAP/WATER TO CLEAN . IN PROCESS GENERATING WATER WASTE WITH LEAD IN IT.

HM- MAP,INVENTORY AND CONTINGENCY PLAN WAS REVIEWED WITH OPERATOR.

HW- SLUDGE FROM WASTE WATER REDUCTION , WIPES .

TP (CESW)- EVAPORATION OF LIQUID FROM ULTRASONIC CLEANER (OIL/WATER) . NOTICE WAS ISSUED TO DISCONTINUE TREATMENT OF LEAD CONTAINING LIQUID IF IS NOT APPROVED UNDER CURRENT TREATMENT PERMIT.

INSPECTION REPORT

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East District Office
5200 Irwindale Avenue Suite 205, Irwindale, CA 91706
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Business: EXCELITAS TECHNOLOGIES CORP			**Inspection Date:** 08/05/2015
Address: 1330 E CYPRESS ST	**City/State:** COVINA, CA 91724		**Telephone:** (626) 593-6678
Owner: EXCELITAS TECHNOLOGIES CORP		**Email:** mike.garcia@excelitas.com	
FA #: FA0008553	**PR:** PR0042581	**Program Element:** TIER - CESW	**Inspection Type:** ROUTINE INSPECTION

☐ - No violations observed at the time of inspection.

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Amended Onsite HW Treatment Notification Information submitted ■ OUT ☐ COS ☐ RPT	MINOR COMPLY BY: 9/4/2015

Violation Description:

Failure to submit to the CUPA an amended notification within 30 days of any change in operation which necessitates modifying any of the information submitted in the notification. HSC 6.5 25201.5(i)

Violation Comments:

VERIFY IF EVAPORATOR FOR OIL AND WATER COULD BE USED FOR OILY WATER WITH LEAD.Please add program element(s) to existing FA#: FA
Please change the facility/owner information to existing FA#: FA
Create a new FA/OW/AR/PR for this facility. No current FA# in the system

GENERAL PROGRAM DETAILS
Add Program Element(s):
Beginning Date:
Old Owner End Date (If applicable):

GENERAL FACILITY INFORMATION
EPA ID #:
CERS #:
SIC Code (4 digit #):
Unincorporated:
Number of Employees:
Care Of:
Tax ID:
Driver's License:
Business Type (INC, LLC, Indv, etc):

ALTERNATE BILLING OR MAILING ADDRESS (IF APPLICABLE):

EMERGENCY CONTACTS (PRIMARY):
Name:
Title:
Business Phone:
24-Hour Phone:

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Business:	**FA #:**	**Date:**
EXCELITAS TECHNOLOGIES CORP	FA0008553	08/05/2015

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Pager #:

EMERGENCY CONTACTS (SECONDARY):
Name:
Title:
Business Phone:
24-Hour Phone:
Pager #:

ENVIRONMENTAL CONTACT:
Name:
Phone Number:
Email:
Mailing Address:

OVERALL INSPECTION COMMENTS

Consent Given By:
DAVID FUSSEL, MANAGER

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Signatures

DAVID FUSSEL
MANAGER

Bob Nasseri
Hazardous Materials Specialist II

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CERTIFICATON OF COMPLIANCE

	Los Angeles County Fire Department - Health Hazardous Materials Division **Certified Unified Program Agency - Participating Agency**	
Business:	**FA #:** Pending	**Date:**

The violations cited on the inspection report must be corrected, or disputed, not more than 30 days from the date of receipt of the report; or as otherwise noted. Please submit this certification, and/or any other documentation in support of your claim compliance, to this department in order to avoid penalties. Failure to submit compliance documentation may result in the reinspection of your facility and associated fees pursuant to Los Angeles County Ordinance Section 12.50.131.

VIOLATION(S)	STATEMENT OF CORRECTIVE (OR PROPOSED) ACTIONS:	DATE

I certify under penalty of law that the violations cited on this report have been corrected as indicated. I have personally examined the documentation submitted as proof of compliance and I believe the information to be true, accurate, and complete. I am authorized to file this certification for the facility, and am aware that there are significant penalties for submitting false information pursuant to CA Health & Safety Code Section 25191(b)(1).

Print Name

Title

Signature

Date

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PREVIOUS INSPECTIONS

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09/04/2015	1003	PR0023632	DA0807191		053	01	02	15	0	EE0000075
09/04/2015	2002	PR0042581	DA0807196		053	01	02	15	0	EE0000075
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VIOLATIONS LIST

Open	Activity Date	Program Element	Viol Status	Service	Result	Action	Violation Degree	Comply on Date	Description
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LOG SHEET

BOB NASSERI

HM,HW,TP - inspection conducted. notice was issued for HW (no current manifest) and TP for possible unapproved use o treatment system to treat lead containing oily water.

INSPECTOR FIELD NOTES

BOB NASSERI

MFG. CIRCUIT BOARDS. USE SOLDERING. USE SOAP/WATER TO CLEAN . IN PROCESS GENERATING WATER

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EXCELITAS TECHNOLOGIES CORP	FA0008553	08/05/2015

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WASTE WITH LEAD IN IT.

HM- MAP,INVENTORY AND CONTINGENCY PLAN WAS REVIEWED WITH OPERATOR.

HW- SLUDGE FROM WASTE WATER REDUCTION , WIPES .

TP (CESW)- EVAPORATION OF LIQUID FROM ULTRASONIC CLEANER (OIL/WATER) . NOTICE WAS ISSUED TO DISCONTINUE TREATMENT OF LEAD CONTAINING LIQUID IF IS NOT APPROVED UNDER CURRENT TREATMENT PERMIT.

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Owner: EXCELITAS TECHNOLOGIES CORP		**Email:** mike.garcia@excelitas.com	
FA #: FA0008553	**PR:** PR0023632	**Program Element:** HW GEN, 20-100 EMPLOYEES	**Inspection Type:** ROUTINE INSPECTION

☐ - No violations observed at the time of inspection.

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Owner/Operator maintained a signed copy of manifests from the designated facility for 3 years	MINOR
■ OUT ☐ COS ☐ RPT	COMPLY BY: 9/4/2015

Violation Description:

Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste. 22 CCR 12 66262.40(a)

Violation Comments:

CURRENT MANIFEST NEEDED.OBSERVATION: Uniform manifests [note which ones and the specific waste] were found showing disposal of hazardous wastes without making a determination if the waste must be treated before it can be land disposed. A generator of hazardous waste shall determine if the waste has to be treated before it can be land disposed. CORRECTIVE ACTION – Submit written documentation showing that the waste generator has determined if each waste stream has to be treated before it can be land disposed.

OVERALL INSPECTION COMMENTS

Consent Given By:
DAVID FUSSEL, MANAGER

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Tel: (626) 430-3260 / Fax: (626) 337-0735
www.fire.lacounty.gov/hhmd

Business:	**FA #:**	**Date:**
EXCELITAS TECHNOLOGIES CORP	FA0008553	08/05/2015

This document constitutes a Summary of Violations reported by the inspector; and a Notice to Comply for all cited minor violations.

Signatures

DAVID FUSSEL
MANAGERE

Bob Nasseri
Hazardous Materials Specialist II

This document constitutes a Summary of Violations reported by the inspector; and a Notice to Comply for all cited minor violations.

CERTIFICATON OF COMPLIANCE

	Los Angeles County Fire Department - Health Hazardous Materials Division **Certified Unified Program Agency - Participating Agency**	
Business:	**FA #:** Pending	**Date:**

The violations cited on the inspection report must be corrected, or disputed, not more than 30 days from the date of receipt of the report; or as otherwise noted. Please submit this certification, and/or any other documentation in support of your claim compliance, to this department in order to avoid penalties. Failure to submit compliance documentation may result in the reinspection of your facility and associated fees pursuant to Los Angeles County Ordinance Section 12.50.131.

VIOLATION(S)	STATEMENT OF CORRECTIVE (OR PROPOSED) ACTIONS:	DATE

I certify under penalty of law that the violations cited on this report have been corrected as indicated. I have personally examined the documentation submitted as proof of compliance and I believe the information to be true, accurate, and complete. I am authorized to file this certification for the facility, and am aware that there are significant penalties for submitting false information pursuant to CA Health & Safety Code Section 25191(b)(1).

Print Name

Title

Signature

Date

Los Angeles County Fire Department - Health Hazardous Materials Division
Certified Unified Program Agency - Participating Agency
East District Office
5200 Irwindale Avenue Suite 205, Irwindale, CA 91706
Tel: (626) 430-3260 / Fax: (626) 337-0735
www.fire.lacounty.gov/hhmd

Business:	FA #:	Date:
EXCELITAS TECHNOLOGIES CORP	FA0008553	08/05/2015

This document constitutes a Summary of Violations reported by the inspector; and a Notice to Comply for all cited minor violations.

PREVIOUS INSPECTIONS

Activity Date	PE	Rercord ID	Serial No.	Group Code	Service	Result	Action	Activity Min	Travel Min	Inspector ID
08/05/2015	3002	PR0002422	DAIUMER5I		001	01	00	50	40	EE0000075
08/05/2015	2002	PR0042581	DAMXM2YXC		001	02	01	50	0	EE0000075
08/05/2015	1003	PR0023632	DANAONNHC		001	02	01	50	0	EE0000075
09/04/2015	1003	PR0023632	DA0807191		053	01	02	15	0	EE0000075
09/04/2015	2002	PR0042581	DA0807196		053	01	02	15	0	EE0000075
12/01/2017	1003	PR0023632	DA8JKXBWI		053	22	03	30	0	EE0000075
12/05/2017	1003	PR0023632	DASTLBTQY		053	01	02	30	0	EE0000075
12/06/2017	2002	PR0042581	DACW6FSD0		053	01	02	30	0	EE0000075
06/13/2018	3002	PR0002422	DADNWELVU	W4QQ-AV4I	001	02	01	60	0	EE0000091
06/13/2018	1003	PR0023632	DASVMIAVQ	W4QQ-AV4I	001	01	00	60	0	EE0000091
06/13/2018	2002	PR0042581	DAXTU0FCZ	W4QQ-AV4I	001	02	01	60	0	EE0000091
07/11/2018	3002	PR0002422	DAOULOXME		002	01	02	30	0	EE0000091
07/11/2018	2002	PR0042581	DAMLMOSN8		002	01	02	45	15	EE0000091

VIOLATIONS LIST

Open	Activity Date	Program Element	Viol Status	Service	Result	Action	Violation Degree	Comply on Date	Description
	08/05/2015	2002	OU	001	02	01	Minor	07/11/2018	Amended Onsite HW Treatment Notification Information submitted
	08/05/2015	1003	OU	001	02	01	Minor	12/05/2017	Owner/Operator maintained a signed copy of manifests from the designated facility for 3 years
	06/13/2018	3002	OU	001	02	01	Minor	07/11/2018	Complete Hazardous Materials Inventory information electronically submitted
	06/13/2018	2002	OU	001	02	01	Class 2	07/11/2018	Onsite CE HW Treatment Notification Information submitted

LOG SHEET

BOB NASSERI

HM,HW,TP - inspection conducted. notice was issued for HW (no current manifest) and TP for possible unapproved use o treatment system to treat lead containing oily water.

INSPECTOR FIELD NOTES

BOB NASSERI

MFG. CIRCUIT BOARDS. USE SOLDERING. USE SOAP/WATER TO CLEAN . IN PROCESS GENERATING WATER

Los Angeles County Fire Department - Health Hazardous Materials Division
Certified Unified Program Agency - Participating Agency
East District Office
5200 Irwindale Avenue Suite 205, Irwindale, CA 91706
Tel: (626) 430-3260 / Fax: (626) 337-0735
www.fire.lacounty.gov/hhmd

Business:	**FA #:**	**Date:**
EXCELITAS TECHNOLOGIES CORP	FA0008553	08/05/2015

This document constitutes a Summary of Violations reported by the inspector; and a Notice to Comply for all cited minor violations.

WASTE WITH LEAD IN IT.

HM- MAP,INVENTORY AND CONTINGENCY PLAN WAS REVIEWED WITH OPERATOR.

HW- SLUDGE FROM WASTE WATER REDUCTION , WIPES .

TP (CESW)- EVAPORATION OF LIQUID FROM ULTRASONIC CLEANER (OIL/WATER) . NOTICE WAS ISSUED TO DISCONTINUE TREATMENT OF LEAD CONTAINING LIQUID IF IS NOT APPROVED UNDER CURRENT TREATMENT PERMIT.

LA County Fire Department
Facility Information Report

OWNER FILE INFORMATION

* Clearly make changes/corrections here.

Owner ID: OW0008553 EXCELITAS TECHNOLOGIES CORP New Owner ID:
Owner Name: ~~PERKIN ELMER INC~~ Tax ID : [redacted]
Owner DBA: ~~PERKIN ELMER~~ EXCELITAS TECHNOLOGIES CORP Drvr Licns :
Owner Address: 940 WINTER ST
WALTHAM, MA 02451
Work/Business Phone: 781-663-6900
Billing/Mailing Address: 1330 E CYPRESS ST
COVINA, CA 91724
ATTN/Care of: DAVID FUSSEL
Ownership Type: Corp.

FACILITY FILE INFORMATION

Facility ID: FA0008553 Account ID: [redacted]
Facility Name: ~~PERKIN ELMER~~ EXCELITAS TECHNOLOGIES SENSORS, INC.
No. of Employee: 82
Site Location: 1330 E CYPRESS ST
COVINA, CA 91724
Phone: 626-967-9521
Mailing Address: 1330 E CYPRESS ST
COVINA, CA 91724
Operator/Care of: DAVID FUSSEL E-Mail Address: DAVID.FUSSEL@PERKINELMER.COM
District: E - EAST
City Code: COVN **COVINA**
CUPA Jurisdiction: CO

ownership change

Operating Hours: Days: 5 Hours: 7AM-4PM
SIC Code: 3679 - Electronic components,nec
Business Type / Code: 01 CORPORATION
Station: 153

effective 11/30/10

GENERAL HEALTH PROGRAM ELEMENTS

Record ID	Current Program Element	Current Status	# of Unit	EPA #	Effective Date Beg.	Effective Date End	Changes — Program Element	Changes — Status
PR0002422	3002 - HM HANDLER, FEE GROUP 02	Active, billable			10/06/91			
PR0023632	1003 - HW GEN, 20-100 EMPLOYEES	Active, billable			10/26/99			
PR0038607	3500 - CAL-ARP	Inactive, non-billable			10/06/91			
PR0042581	2002 - TIER - CESW	Active, billable						
PR0071041	5040 - CALIFORNIA ELECTRONIC REPORTING SURCHARGE	[redacted]						

Addition Program Element: [redacted] OW0057795

CA Waste Code					
RCRA Waste Code					
AMOUNT per quarter					
UNITS (PGTY) Pounds, Gallons, Tons, Yards					

CONSENT GIVEN BY: INSPECTOR SIGNATURE: EMPLOYEE ID:

1st DATE & TIME OF INSPECTION: 2nd DATE & TIME OF INSPECTION:

3rd DATE & TIME OF INSPECTION:

PerkinElmer
For the Better

PerkinElmer
1330 East Cypress Street
Covina, CA 91724 USA
Phone: 626-967-9521
Fax: 626-915-2741
http://www.perkinelmer.com

November 12, 2010

County of Los Angeles Fire Department
East District
Attn: Bob Nasseri
5110 N. Peck Road
El Monte, CA 91732

Dear Sir:

Attached are the copies of documents you requested on November 8, 2010 during your inspection of our site. Attached are the following:

Training certificates

- Dufour Seminars & Training Hazardous Waste & Universal Waste Management & Training – 2010
- HAZWOPER-Refresher – 8-hours

Hazardous Waste Manifests

- 003087361 FLE
- 003087363 FLE
- 001204885 FLE

Evaporator Area Inspection Log and Checklist (9-14-10 thru 10-27-10)

Please let me know if you have any questions.

Sincerely,

David Fussel, EH&S Manager
626-967-9521 x422 (p)
626-915-2741 (f)
david.fussel@perkinelmer.com

CERTIFICATE

This is to certify that:

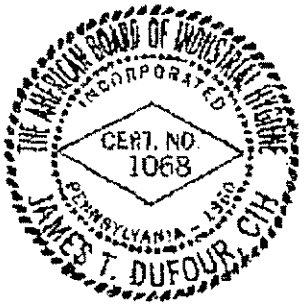
DAVID FUSSEL

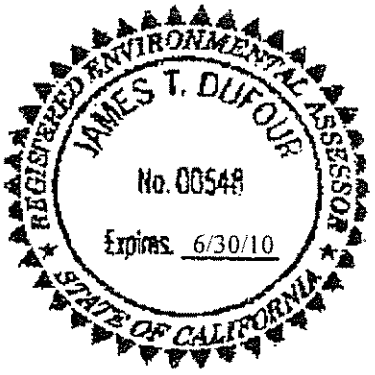
has successfully completed:

Dufour Seminars & Training
Hazardous Waste & Universal Waste Management & Training – 2010

February 3, 2010

8 Hours of Comprehensive Hazardous and Universal Waste Management Training Designed to Meet California Title 22 Large and Small Quantity Generator Requirements Initial and/or Refresher Training Required by 22 CCR §§ 66262.34 and 66265.16.





James T. Dufour

James T. Dufour, Attorney
Certified Industrial Hygienist
Registered Environmental Assessor

DUFOUR SEMINARS & TRAINING

Dufour Seminars & Training
831 F Street, Sacramento, CA 95814
Telephone: (916) 553-3111 Fax: (916) 553-3250
www.dufourseminars.com

Certificate of Completion

PerkinElmer

HAZWOPER-Refresher - 8 Hour

This is to verify that

David Fussel

has participated in and passed an examination which qualifies him/her for completion in
HAZWOPER-REFRESHER - 8 HOUR
Per T8 CCR 5192/29 CFR 1910.120.

Rogelio Horta
Instructor: Rogelio Horta

Employer
Employer confirms that the required training as indicated above has been completed.

January 19, 2010
Completion Date

2/8/10
Date

JoshuaCasey
Corporate Training and Education

P.O. Box 25704 • Anaheim, CA 92825-5704
(714) 245-9440 • FAX (714) 245-9443
www.joshuacasey.com

COUNTY OF LOS ANGELES FIRE DEPARTMENT
HEALTH HAZARDOUS MATERIALS DIVISION

INSPECTION REPORT

CERTIFIED UNIFIED PROGRAM AGENCY • PARTICIPATING AGENCY

5110 NORTH PECK ROAD, EL MONTE, CA 91732
PHONE: (626) 450-7450 FAX: (626) 448-0892

BUSINESS: Perkin Elmer INC	OWNER: Perkin Elmer	DATE: 11/8/10
ADDRESS: 1330 E. Cypress St., Covina 91724		FACILITY ID: FA0008553

The following requirements, if applicable, have been inspected. This document constitutes a summary of violations and notice to comply if the violation column (V) is checked. *References: Titles 19 and 22 of the California Code of Regulations (CCR); Chapters 6.5, 6.67, and 6.95 of the California Health and Safety Code (HSC); Titles 11 and 12 of the Los Angeles County Code (Co Ord); and Title 40 Code of Federal Regulations (CFR).* ***NOTE:*** *For all CFR sections refer to CCR 66262.34(d)(2) for applicability.*

INSPECTION TYPE: ☐ INITIAL ☐ RE-INSPECTION ☐ OTHER:

	V	HAZARDOUS WASTE (HW) GENERATOR	SECTION		V	HAZARDOUS WASTE GENERATOR	SECTION
1		HW accumulation time	CCR 66262.34(a-d)	27		HW analysis retained for 3 years	CCR 66262.40(c)
2		Satellite accumulation	CCR 66262.34(e)	28		HW determination	CCR 66262.11
3		HW labeling	CCR 66262.34(f)	29		Proper disposal of HW	HSC 25189.5(a)
4		Hazardous materials storage and labeling	CCR 66261.2(f)	30		Reckless management of HW	HSC 25189.6
5		Containers leaking or not in good condition	CCR 66265.171 • •CFR 265.171	31		Quarantine order	HSC 25187.6
6		Compatibility of waste with containers	CCR 66265.172 • •CFR 265.172	32		Maintain/operate to prevent release/fire	CCR 66265.31 • •CFR 265.31
7		HW containers closed	CCR 66265.173(a) • •CFR 265.173(a)	33		Required equipment and maintenance	CCR 66265.32-.33 • •CFR 265.32-.33
8		Container inspection – weekly	CCR 66265.174 • •CFR 265.174	34		Required aisle space	CCR 66265.35 • •CFR 265.35
9		Separation of incompatibles	CCR 66265.177 • •CFR 265.177	35	✓	Personnel training	CCR 66265.16 • •CFR 262.34(d)(5)(iii)
10		Tank overflow and spill prevention	CCR 66265.194 • •CFR 265.201(b)	36		Emergency information posting [SQGs]	CFR 262.34(d)(5)(ii)
11		Tank inspection	CCR 66265.195 • •CFR 265.201(d)	37		Contingency plan [LQGs]	CCR 66265.51
12		Tank system management	CCR 66265.190-.202 • •CFR 265.201	38		Source reduction requirements [LQGs]	CCR 67100.3
13		Empty containers	CCR 66261.7	39		Biennial report requirements [RCRA LQGs]	CCR 66262.40-.41
14		Used oil management	HSC 25250.4	40		Closure requirements [LQGs]	CCR 66265.111 / .114
15		Used oil / fuel filter management	CCR 66266.130 / HSC 25250.22	41		Site assessment requirements	HSC 25187(a)(1)
16		Used battery management	CCR 66266.81	42		Excluded recyclable material management	HSC 25143.2 / .9
17		Contaminated textile management	HSC 25144.6	43		Recyclable material report	HSC 25143.10
18		EPA ID number [submit DTSC form 1358]	CCR 66262.12	44		Universal waste management	CCR 66273.1
19		HW manifest complete	CCR 66262.23(a)	45		Other violation(s)	
20		Manifest copies to DTSC	CCR 66262.23(a)(4)		V	HAZARDOUS MATERIALS HANDLER	SECTION
21	✓	Manifest copies retained for ~~3 years~~	CCR 66262.40(a)	50		HMBP established and implemented	HSC 25503.5
22		Consolidated manifest requirements	HSC 25160.2	51		HMBP submitted; updated/accurate	HSC 25505
23		Manifest exception reporting	CCR 66262.42	52		Regulated substance registration	HSC 25533(a)
24		HW transported with manifest	CCR 66262.20		V	ABOVEGROUND PETROLEUM STORAGE	SECTION
25		HW transported by registered hauler	HSC 25163(a)	60		SPCC plan	HSC 25270.4.5(a)
26		Land disposal restriction requirements	CCR 66268.7(a)	70		PERMIT REQUIRED – Submit UP Forms	Co Ord 12.50.075

☐ NO SIGNIFICANT VIOLATIONS OBSERVED ON DATE OF INSPECTION.
☐ NOTICE TO COMPLY: THE VIOLATION(S) CITED MUST BE CORRECTED BY 12/22/10
☐ RETURN CERTIFICATION OF COMPLIANCE FOUND ON BACK OF THIS NOTICE.

Attention: The requirements checked are in violation. Non-compliance could result in re-inspection fees, permit revocation, and/or administrative/civil/criminal penalties. A re-inspection may occur at any time to verify compliance. Any time granted for correction of the violation(s) does not preclude any enforcement action by this Department or other agencies.

It is improper and illegal for any County officer, employee or inspector to solicit bribes, gifts or gratuities in connection with performing their official duties. Improper solicitations include requests for anything of value such as cash, discounts, free services, paid travel or entertainment, or tangible items such as food or beverages. Any attempt by a County employee to solicit bribes, gifts or gratuities for any reason should be reported immediately to either the County manager responsible for supervising the employee or the Fraud hotline at (800) 544-6861 or www.lacountyfraud.org. YOU MAY REMAIN ANONYMOUS.

Issue of Prop 65 & Liquid Nitrogen Proximity
(21) The last manifest for each HW stream (sludge, solid waste)
~~(22)~~ (35) Training

Inspected By:	Consent Given By:	Authorized Representative's Signature:
S. Nanson	X DAVID FUSSEL	

COUNTY OF LOS ANGELES FIRE DEPARTMENT
HEALTH HAZARDOUS MATERIALS DIVISION

INSPECTION REPORT – TIERED PERMITTING

CERTIFIED UNIFIED PROGRAM AGENCY • PARTICIPATING AGENCY
5110 NORTH PECK ROAD, EL MONTE, CA 91732
PHONE: (626) 450-7450 FAX: (626) 448-0892

BUSINESS: Perkin Elmer Inc	OWNER: Perkin Elmer	DATE: 11/8/10
ADDRESS: 1330 E. Cypress St., Covina 91724		FACILITY ID: FA0008553

The following requirements, if applicable, have been inspected. This document constitutes a summary of violations and notice to comply if the violation column (V) is checked. *References: Title 22 of the California Code of Regulations (CCR) and Chapter 6.5 of the California Health and Safety Code (HSC).*

INSPECTION TYPE: ☐ INITIAL ☐ RE-INSPECTION ☐ OTHER:

	V	ALL TREATMENT TIERS	SECTION
100		Determine tiered permit eligibility for treatment of hazardous waste	[CE] HSC 25201.5 [CA] HSC 25200.3 [PBR] CCR 67450.11
101	✓	Submit Unified Program notification forms for hazardous waste treatment	[CE] HSC 25201.5(d)(7) [CA] HSC 25200.3(e)(1) [PBR] CCR 67450.3(c)(1)
102		When changes occur, submit amended UP notification forms	[CE] HSC 25201.5(i) [CA] HSC 25200.3(k) [PBR] CCR 67450.3(c)(2)
103		TP unit verification	[CE] HSC 25201.5(d)(9) [CA] HSC 25200.3(f) [PBR] CCR 67450.3(c)(9)(A)
104		Treat eligible waste streams using authorized treatment methods.	[CE] HSC 25201.5(a) [CA] HSC 25200.3(a) [PBR] CCR 67450.3(c)(4)
105		Prepare and maintain a written inspection schedule and log of inspections conducted.	[CE] HSC 25201.5(d)(4,5) [CA] HSC 25200.3(c)(5) [PBR] CCR 67450.3(c)(8)(B)
106		Tank and container management standards met	[CE] HSC 25201.5(d)(9),(e)(1) [CA] HSC 25200.3(c)(4) [PBR] CCR 67450.3(c)(9)(E,F)
107		Other violation(s)	
	V	CONDITIONALLY EXEMPT / CONDITIONALLY AUTHORIZED	SECTION
110	✓	Prepare and maintain written operating instructions and a record with the dates, amounts, and types of waste treated for 3 years.	[CE] HSC 25201.5(d)(3,5) [CA] HSC 25200.3(c)(6,7)
111		Test ancillary equipment of treatment tanks or containers every two years if there is no secondary containment.	[CE] HSC 25201.5(e)(1) [CA] HSC 25200.3(c)(4)
112		After unit is closed, remove or decontaminate all waste residues and systems, soils, etc., contaminated with hazardous waste. Provide written notification upon completion of closure activities.	[CE] HSC 25201.5(d)(8) [CA] HSC 25200.3(g)

	V	CONDITIONALLY AUTHORIZED / PERMIT BY RULE	SECTION
120		Post a sign reading: "Danger Hazardous Waste Area – Keep Out". Control access to entry point at all times.	[CA] HSC 25200.3(c)(1) [PBR] CCR 67450.3(c)(9)(A)
121		Comply with applicable requirements for secondary containment in the treatment area.	[CA] HSC 25200.3(c) (4) [PBR] CCR 67450.3(c)(9)(E,F)
122		Submit the tiered permitting Phase I Environmental Checklist. (DTSC form 1151)	[CA] HSC 25200.14(b)(1) [PBR] CCR 67450.7(2)
123		Submit Certification of Financial Assurance form, including a written estimate of closure costs.	[CA] CCR 67450.13(a) [PBR] CCR 67450.13(a)
124		Adjust the closure cost estimate for inflation by March of each year.	[CA] CCR 67450.13(a)(2) [PBR] CCR 67450.13(a)(2)
	V	PERMIT BY RULE	SECTION
130		Label the exterior of each fixed treatment unit.	[PBR] CCR 67450.3(c)(7)
131		Prepare and maintain written operating instructions	[PBR] CCR 67450.2(b)(3)(G)
132		Provide a waste analysis plan.	[PBR] CCR 67450.3(c)(8)(A)
133		Submit annual notification forms.	[PBR] CCR 67450.3(c)(1)
134		Prepare/submit an annual report as requested by the CUPA.	[PBR] CCR 67450.3(c)(10)
135		Provide a written closure plan.	[PBR] CCR 67450.3(c)(8)(G)
136		Remove hazardous waste within 90 days of treatment of the final volume.	[PBR] CCR 67450.3(c)(11)(D)
137		Complete closure activities within 180 days of final hazardous waste treatment.	[PBR] CCR 67450.3(c)(11)(E)
138		Notify the CUPA 15 days before the completion of closure.	[PBR] CCR 67450.3(c)(11)(F)
139		Submit a closure certification signed by the owner/operator and a professional engineer.	[PBR] CCR 67450.3(c)(11)(G)

☐ **NO SIGNIFICANT VIOLATIONS OBSERVED ON DATE OF INSPECTION.**

☐ **NOTICE TO COMPLY: THE VIOLATION(S) CITED MUST BE CORRECTED BY** 11/22/10

Attention: The requirements checked are in violation. Non-compliance could result in re-inspection fees, permit revocation, and/or administrative/civil/criminal penalties. A re-inspection may occur at any time to verify compliance. Any time granted for correction of the violation(s) does not preclude any enforcement action by this Department or other agencies.

It is improper and illegal for any County officer, employee or inspector to solicit bribes, gifts or gratuities in connection with performing their official duties. Improper solicitations include requests for anything of value such as cash, discounts, free services, paid travel or entertainment, or tangible items such as food or beverages. Any attempt by a County employee to solicit bribes, gifts or gratuities for any reason should be reported immediately to either the County manager responsible for supervising the employee or the Fraud hotline at (800) 544-6861 or www.lacountyfraud.org. YOU MAY REMAIN ANONYMOUS.

01) 110) Send a copy of checklist.

Inspected By:	Consent Given By:	Authorized Representative's Signature:
	DAVID FUSSELL	

Los Angeles County • Certified Unified Program Agency
Health Hazardous Materials Division
Participating Agency to the City of Los Angeles and Santa Monica

NOTICE OF VIOLATION AND ORDER TO COMPLY

OWNER: Perkin Elmer Inc	FACILITY ID#:	DATE: 11/8/10
BUSINESS: Perkin Elmer		REFER REPLY TO:
ADDRESS: 1330 E. Cypress st., Covina 91724		
CITY:	ZIP:	

Attention: The items marked on this notice and issued to you represent violations of the California Code of Regulations (CCR) or the California Health and Safety Code (H&S) and/or the Los Angeles County Code. These violations may result in non compliance fees, permit revocation, and/or civil/criminal penalties. Any time granted for correction of the violation(s) does not preclude any enforcement action by this Department or other agencies. *You are hereby directed to correct the violations within the time specified.* Failure to do so will be considered an additional violation. (Referenced titles & chapters: Titles 19, 22, 23, 27 of the CCR, Chapters 6.5, 6.7, 6.95 of the H&S Code and Title 12 of the Los Angeles County Ordinance).

PERMIT REQUIREMENT

Correction Date ___/___/___

101 ☐ Obtain a Unified Program Facility Permit by submitting a completed consolidated permit application package (CPP) (LA Co Ord. Sec. 12.50.075, 12.50.115).

TP- Log onsite inspection everyday, Visual, looking for tank leakage & so on

Authorized Rep: DAVID FUSSEL	Title: EH&S MGR.
Auth Rep Signature: David Fussel	Inspected by: B. Nasseri

LA County Fire Department
Facility Information Report

OWNER FILE INFORMATION

* Clearly make changes/corrections here.

Owner ID: OW0008553 New Owner ID:
Owner Name: PERKIN ELMER INC Tax ID : [redacted]
Owner DBA: PERKIN ELMER Drvr Licns :
Owner Address: 940 WINTER ST
WALTHAM, MA 02451
Work/Business Phone: 781-663-6900
Billing/Mailing Address: 1330 E CYPRESS ST
COVINA, CA 91724
ATTN/Care of: DAVID FUSSEL
Ownership Type:

FACILITY FILE INFORMATION

Facility ID: FA0008553 Account ID: [redacted]
Facility Name: PERKIN ELMER
No. of Employee: 82
Site Location: 1330 E CYPRESS ST
COVINA, CA 91724
Phone: 626-967-9521
Mailing Address: 1330 E CYPRESS ST
COVINA, CA 91724
Operator/Care of: DAVID FUSSEL E-Mail Address: DAVID.FUSSEL@PERKINELMER.COM
District: E - EAST
City Code: COVN **COVINA**
CUPA Jurisdiction: CO
Operating Hours: Days: 5 Hours: 7AM-4PM
SIC Code: 3679 - Electronic components,nec
Business Type / Code: 01 CORPORATION
Station: 153

GENERAL HEALTH PROGRAM ELEMENTS

Record ID	Current Program Element	Current Status	# of Unit	EPA #	Effective Date Beg.	Effective Date End	Changes Program Element	Changes Status
PR0002422	3002 - HM HANDLER, FEE GROUP 02	Active, billable			10/06/91			
PR0023632	1003 - HW GEN, 20-100 EMPLOYEES	Active, billable			10/26/99			
PR0038607	3500 - CAL-ARP	Inactive, non-billable			10/06/91			
PR0042581	2002 - TIER - CESW	Active, billable						
PR0071041	8040 - CALIFORNIA ELECTRONIC REPORTING SURCHARGE	Active, billable						

CONSENT GIVEN BY: David Fussel INSPECTOR SIGNATURE: B Nanni, Z. Song Co EMPLOYEE ID: 75
1st DATE & TIME OF INSPECTION: 11/8/10 2nd DATE & TIME OF INSPECTION:
3rd DATE & TIME OF INSPECTION:

Addition Program Element:

CA Waste Code					
RCRA Waste Code					
AMOUNT per quarter					
UNITS (PGTY) Pounds, Gallons, Tons, Yards					

ENVIRONMENTAL CONTACT INFORMATION ** *For Haz Mat Handlers.*

Contact :Name: DAVID FUSSEL EXT. 422
1330 E CYPRESS ST
COVINA

Phone : 626-967-9521

Dun & Bradst.: 62-709-5391

Year: CCP 2009 Inventory 2010

EMERGENCY CONTACT INFORMATION

	PRIMARY CONTACT:	SECONDARY CONTACT:
Name :	DAVID FUSSEL EXT. 422	MIKE GARCIA EXT. 521
Title :	EHS MANAGER	PRODUCTION MGR
Business Phone :	626-967-9521	626-967-9521
24 - Hour Phone :	888-238-2666	888-238-2666
Pager # :	626-905-2154	Not Specified

PREVIOUS INSPECTIONS

Activity Date	Program Element		Service	Result	Action	Activity Min	Travel Min	Inspector ID	Violation Code
03/21/2000	1003	PR0023632	001	02	01	60	0	EE0000091	0003
03/21/2000	3002	PR0002422	001	01	00	60	0	EE0000091	0
03/21/2000	2002	PR0042581	001	02	01	60	0	EE0000091	0013
06/19/2000	1003	PR0023632	002	01	02	0	0	EE0000091	0
06/19/2000	2002	PR0042581	002	01	02	0	0	EE0000091	0
02/14/2007	3002	PR0002422	001	01	00	60	30	EE0000075	
02/14/2007	1003	PR0023632	001	01	00	60	0	EE0000075	
02/14/2007	2002	PR0042581	001	01	00	60		EE0000075	

VIOLATIONS LIST

Open	Activity Date	Program Element	Viol Status	Service	Result	Action	Violation Code	Violation Degree	Description
	03/21/2000	1003	--	001	02	01	0003	M	HWG MINOR VIOLATION
	03/21/2000	2002	--	001	02	01	0013	M	TP MINOR VIOLATION

CONSENT GIVEN BY: _____ INSPECTOR SIGNATURE: _____ EMPLOYEE ID: _____

1st DATE & TIME OF INSPECTION: _____ 2nd DATE & TIME OF INSPECTION: _____

3rd DATE & TIME OF INSPECTION:

Field Notes

LIST ORDER OF INSPECTION AS FOLLOWS: I. OPENING CONFERENCE II. WALK THROUGH III. DOCUMENTS IV. CLOSING CONFERENCE V. VIOLATIONS

EPA CAD983962552

01 - I am talking TO mr. Fussel, Enviromental Manager.

HW -

Mfg of Power Systems for military. Curtaute board, add Parts to it. Blank board is added here, or Subcontracted to another Company

Cleaning the Parts → 2 units soap & water

heated → 150 °F ↓ To remove the coating

Liquid waste → Sewer

↙ lab result (need a copy)

Masking ← Coating to Protect the board

is removed manually

↓

assembly → other things added → testing

Temp shock

Quality ← Vibration shock

↓ Packaging

HW-generated, Paper liner of booth (AQMD Permit)

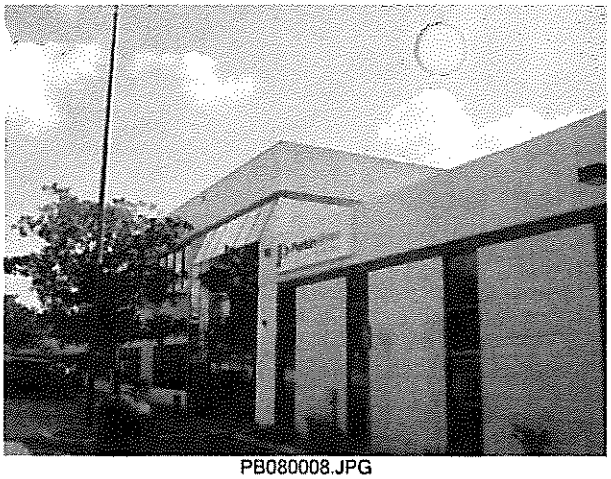
sludge, wipes, solder Paste

Q tips, clean 90/10 (Acetone / Iso Prop) - 1g Containers.

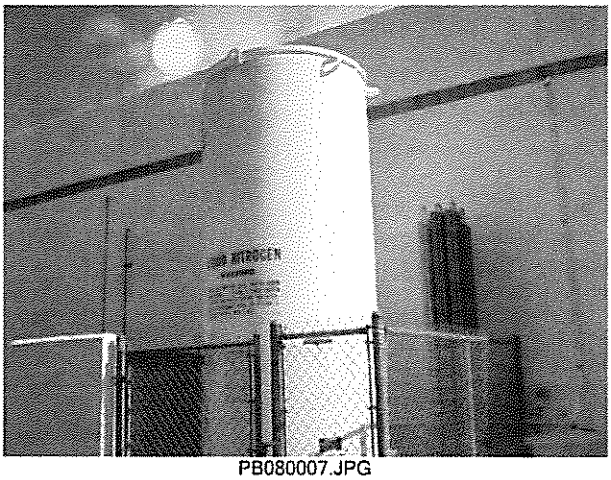
CONSENT GIVEN BY: D. Fussel INSPECTOR SIGNATURE: B. Nava EMPLOYEE ID: 75

1st DATE & TIME OF INSPECTION: 11/8/10 2nd DATE & TIME OF INSPECTION:

3rd DATE & TIME OF INSPECTION:



PB080008.JPG



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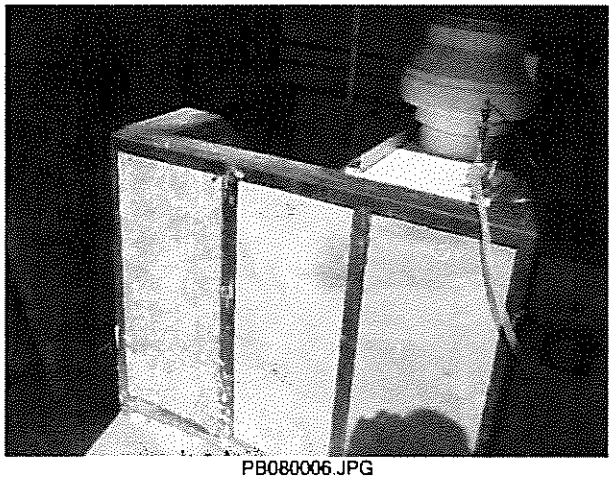

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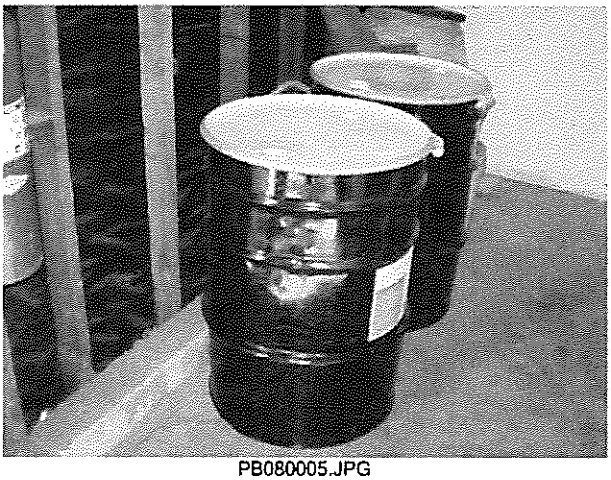

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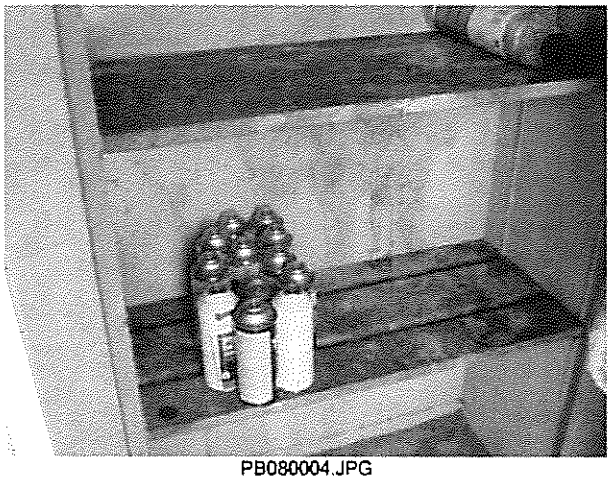

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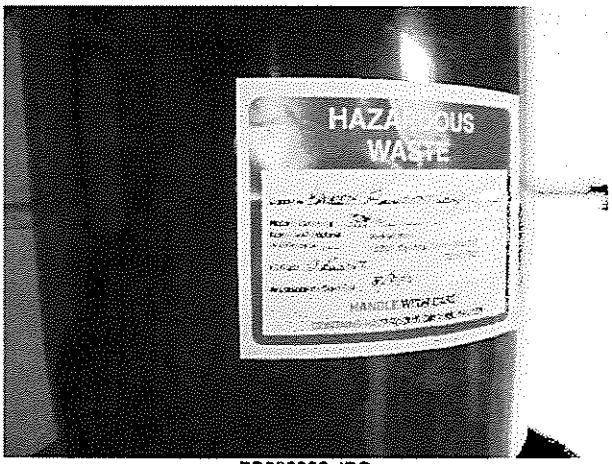


PB080003.JPG

REFER REPLY TO:

Los Angeles County Fire Dept • Health Hazardous Materials Division
Certified Unified Program Agency • Participating Agency

EastDistrict Office
5110 North Peck Road
El Monte, CA. 91732
(626) 450-7450

INSPECTION REPORT

BUSINESS: PerkinElmer	OWNER:	DATE: 2/14/07
ADDRESS: 1330 E. Cypress, Covina, 91724		FA 8553

The following items, if applicable, have been inspected. This document constitutes a Summary of Violations and Notice to Comply if the violation (V) column is checked.

Reference: Titles 19 and 22 of the California Code of Regulations (CCR). Chapters 6.5, 6.67, and 6.95 of the Health and Safety Code (HSC), and Titles 11 and 12 of the Los Angeles County Code (Co Ord)

HAZARDOUS WASTE GENERATOR				HAZARDOUS WASTE GENERATOR			
	V	SUBJECT	SECTION		V	SUBJECT	SECTION
1		Hazardous waste determination	CCR 66262.11	24		Manifest copies retained for 3 years	CCR 66262.40(a)
2		Proper disposal of hazardous waste	HSC 25189.5 (a)	25		Consolidated manifest requirements	HSC 25160.2
3		Maintain/operate to prevent release/fire	CCR 66265.31	26		Hazardous waste transported by registered hauler	HSC 25163(a)
4		Hazardous waste labeling	CCR 66262.34(f)	27		LDR documents retained onsite	CCR 66268.7(a)(6)
5		Hazardous waste accumulation time	CCR 66262.34(a-d)	28		Hazardous waste analysis retained for 3 years	CCR 66262.40(c)
6		Hazardous materials storage and labeling	CCR 66261.2(f)	29		Personnel training	CCR 66265.16
7		Satellite accumulation	CCR 66262.34(e)	30		Contingency plan	CCR 66265.51
8		Containers leaking or not in good condition	CCR 66265.171	31		Emergency preparedness/prevention	CCR 66265.30-.37
9		Hazardous waste containers closed	CCR 66265.173(a)	32		Source Reduction requirements for LQGs	CCR 67100.3
10		Separation of incompatibles	CCR 66265.177	33		Biennial Report requirements	CCR 66262.40-.41
11		Retrograde/accumulated speculatively	CCR 66262.10	34		Excluded recyclable material management	HSC 25143.2/.9
12		Empty containers	CCR 66261.7	35		Recyclable Material Report	HSC 25143.10
13		Used oil management	CHSC 25250.4	36		Site assessment requirements	HSC 25187(a)(1)
14		Used oil filter management	CCR 66266.130	37		Closure requirements	CCR 66265.111/114
15		Used battery management	CCR 66266.81	38		Reckless management of hazardous waste	HSC 25189.6
16		Contaminated textile management	HSC 25144.6	39		Other violation(s)	
17		Container inspection - weekly	CCR 66265.174			**HAZARDOUS MATERIALS HANDLER**	
18		Tank inspection - daily	CCR 66265.195	50		Contingency plan/inventory submitted	HSC 25503.5
19		Tank operating requirements	CCR 66265.194	51		Plan and inventory updated & accurate	HSC 25505
20		EPA ID number[submit DTSC form 1358]	CCR 66262.12	52		Regulated substance registration	HSC 25533(a)
21		Hazardous waste transported with manifest	CCR 66262.20			**ABOVEGROUND PETROLEUM STORAGE TANK**	
22		Hazardous waste manifest complete	CCR 66262.23(a)	60		SPCC Plan Referral to RWQCB (213) 576-6600	HSC 25270.3
23		Manifest copies to DTSC	CCR 66262.23(a)(4)	70		**PERMIT REQUIRED** – Submit UP Forms	Co Ord 12.50.075 HSC 25404.1.1

☒ **NO SIGNIFICANT VIOLATIONS OBSERVED ON DATE OF INSPECTION.**

☐ **NOTICE TO COMPLY: THE VIOLATION(S) CITED MUST BE CORRECTED BY_____.**

☐ **RETURN CERTIFICATION OF COMPLIANCE FOUND ON BACK OF THIS NOTICE.**

Attention: The items checked are in violation. A reinspection may occur at any time to verify compliance. Non-compliance could result in reinspection fees, permit revocation, and/or administrative/civil/criminal penalties. Any time granted for correction of the violation(s) does not preclude any enforcement action by this Department or other agencies.

Inspected By: B. Nasseri	Consent Given By: Print Name: X DAVID FASSETT	Authorized Representative's Signature: X

Los Angeles County Fire Dept • Health Hazardous Materials Division
Certified Unified Program Agency • Participating Agency

REFER REPLY TO:
East District Office
5110 North Peck Road
El Monte, CA. 91732
(626) 450-7450

INSPECTION REPORT
TIERED PERMITTING

BUSINESS:	OWNER:	DATE:
ADDRESS:		FA

The following items, if applicable, have been inspected. This document constitutes a Summary of Violations and Notice to Comply if the violation (V) column is checked.
Reference: California Code of Regulations (CCR), Title 22, Division 4.5 and Health and Safety Code (HSC), Division 20, Chapter 6.5

ALL HAZARDOUS WASTE TREATMENT FACILITIES

	V	SUBJECT	SECTION
100		Determine tiered permit eligibility for treatment of hazardous waste	HSC25201.5 [CE] HSC25200.3 [CA] CCR67450.11 [PBR]
101		Submit Unified Program notification forms for hazardous waste treatment	HSC25201.5(d)(7) [CE] HSC25200.3(e)(1) [CA] CCR67450.3(c)(1) [PBR]
102		When changes occur, submit amended UP notification forms	HSC25201.5(i) [CE] HSC25200.3(k) [CA] CCR67450.3(c)(2) [PBR]
103		TP unit verification	HSC25201.5(d)(9) [CE] HSC25200.3(f) [CA] CCR67450.3(c)(9)(A) [PBR]
104		Treat eligible waste streams using authorized treatment methods.	HSC25201.5(a) [CE] HSC25200.3(a) [CA] CCR67450.3(c)(4) [PBR]
105		Prepare and maintain a written inspection schedule and log of inspections conducted.	HSC25201.5(d)(4,5) [CE] HSC25200.3(c)(5) [CA] CCR 67450.3(c)(8)(B)[PBR]
106		Tank and container management standards met	HSC25201.5(d)(9);(e)(1)[CE] HSC25200.3(c)(4) [CA] CCR67450.3(c)(9)(E,F) [PBR]
107		Other violation(s)	

CONDITIONALLY EXEMPT/CONDITIONALLY AUTHORIZED

110		Prepare and maintain written operating instructions and a record with the dates, amounts, and types of waste treated for 3 years.	HSC25201.5(d)(3,5) [CE] HSC25200.3(c)(6,7) [CA]
111		Test ancillary equipment of treatment tanks or containers every two years if there is no secondary containment.	HSC25201.5(e)(1) [CE] HSC25200.3(c)(4) [CA]
112		After unit is closed, remove or decontaminate all waste residues and systems, soils, etc., contaminated with hazardous waste. Provide written notification upon completion of closure activities.	HSC25201.5(d)(8) [CE] HSC25200.3(g) [CA]

CONDITIONALLY AUTHORIZED/PERMIT BY RULE

	V	SUBJECT	SECTION
120		Post a sign reading: "Danger Hazardous Waste Area – Keep Out". Control access to entry point at all times.	HSC25200.3(c)(1) [CA] CCR67450.3(c)(9)(A) [PBR]
121		Comply with applicable requirements for secondary containment in the treatment area.	HSC25200.3(c) (4) [CA] CCR67450.3(c)(9)(E,F) [PBR]
122		Submit the tiered permitting Phase I Environmental Checklist. (DTSC form 1151)	HSC25200.14(b)(1) [CA] CCR67450.7(2) [PBR]
123		Submit Certification of Financial Assurance form, including a written estimate of closure costs.	CCR67450.13(a)[CA] [PBR]
124		Adjust the closure cost estimate for inflation by March of each year.	CCR67450.13(a)(2) [CA] [PBR]

PERMIT BY RULE ONLY

130		Label the exterior of each fixed treatment unit.	CCR67450.3(c)(7)
131		Prepare and maintain written operating instructions	CCR67450.2(b)(3)(G)
132		Provide a waste analysis plan.	CCR67450.3(c)(8)(A)
133		Submit annual notification forms.	CCR67450.3(c)(1)
134		Prepare/submit an annual report as requested by the CUPA.	CCR67450.3(c)(10)
135		Provide a written closure plan.	CCR67450.3(c)(8)(G)
136		Remove hazardous waste within 90 days of treatment of the final volume.	CCR67450.3(c)(11)(D)
137		Complete closure activities within 180 days of final hazardous waste treatment.	CCR67450.3(c)(11)(E)
138		Notify the CUPA 15 days before the completion of closure.	CCR67450.3(c)(11)(F)
139		Submit a closure certification signed by the owner/operator and a professional engineer.	CCR67450.3(c)(11)(G)

☐ **NO SIGNIFICANT VIOLATIONS OBSERVED ON DATE OF INSPECTION.**

☐ **NOTICE TO COMPLY:** THE VIOLATION(S) CITED MUST BE CORRECTED BY _____.

Attention: The items checked are in violation. A reinspection may occur at any time to verify compliance. Non-compliance could result in reinspection fees, permit revocation, and/or administrative/civil/criminal penalties. Any time granted for correction of the violation(s) does not preclude any enforcement action by this Department or other agencies.

It is improper and illegal for any County officer, employee or inspector to solicit bribes, gifts or gratuities in connection with performing their official duties. Improper solicitations include requests for anything of value such as cash, discounts, free services, paid travel or entertainment, or tangible items such as food or beverages. Any attempt by a County employee to solicit bribes, gifts or gratuities for any reason should be reported immediately to either the County manager responsible for supervising the employee or the Fraud Hotline at (800) 544-6861 or www.lacountyfraud.org.
YOU MAY REMAIN ANONYMOUS.

Inspected By:	Authorized Representative (**Print Name**):	Authorized Representative (**Signature**):
	DAVID HUSSEL	

Date run : 02/13/07 7:36:25AM
Run by : EE0000075
FA0008553 PERKIN ELMER

A County Fire Department
Facility Information Report

OWNER FILE INFORMATION

* Clearly make changes/corrections here.

Owner ID: OW0008553 New Owner ID:
Owner Name: PERKIN ELMER INC Tax ID : [redacted]
Owner DBA: PERKIN ELMER Drvr Licns :
Owner Address: 45 WILLIAMS ST

Work/Business Phone: 781-237-5100
Billing/Mailing Address: 1330 E CYPRESS ST
COVINA, CA 91724
ATTN/Care of: DAVID FUSSEL
Ownership Type:

FACILITY FILE INFORMATION

Facility ID: FA0008553
Facility Name: PERKIN ELMER
No. of Employee: 97
Site Location: 1330 E CYPRESS ST
COVINA, CA 91724
Phone: 626-967-9521
Mailing Address: 1330 E CYPRESS ST
COVINA, CA 91724
Operator/Care of: DAVID FUSSEL E-Mail Address: DAVID.FUSSEL@PERKINELMER.COM
District: E - EAST
City Code: COVN **COVINA**
CUPA Jurisdiction: CO

Operating Hours: Days: 5 Hours: 7AM-4PM
SIC Code: 3674 Semiconductors and related devices Nature of Business: MFG POWER SYSTEMS

Business Type / Code: 01 CORPORATION
Station: 153
Date First Became Operational:

GENERAL HEALTH PROGRAM ELEMENTS

Record ID	Current Program Element	Current Status	EPA #	Effective Date Beg.	Effective Date End	------- Changes ------- Program Element	Changes Status
PR0002422	3002 - HM HANDLER, FEE GROUP 02	Active, billable		10/06/91			
PR0023632	1003 - HW GEN, 20-100 EMPLOYEES	Active, billable		10/26/99			
PR0038607	3500 - CAL-ARP	Inactive, non-billable		10/06/91			
PR0042581	2002 - TIER - CESW	Active, billable					

Addition Program Element:

CA Waste Code					
RCRA Waste Code					
AMOUNT per quarter					
UNITS (PGTY) Pounds, Gallons, Tons, Yards					

CONSENT GIVEN BY: David Fussel INSPECTOR SIGNATURE: B. Nasseri EMPLOYEE ID: 75

1st DATE & TIME OF INSPECTION: 2/14/07 2nd DATE & TIME OF INSPECTION:

3rd DATE & TIME OF INSPECTION:

ENVIRONMENTAL CONTACT INFORMATION *** For Haz Mat Handlers.*

Contact Name: DAVID FUSSEL EXT. 422
1330 E CYPRESS ST
COVINA

Phone : 626-967-9521

Dun & Bradst.: 62-709-5391

EMERGENCY CONTACT INFORMATION

	PRIMARY CONTACT:	SECONDARY CONTACT:
Name :	DAVID FUSSEL	MIKE GARCIA
Title :	EHS MANAGER	TEST OPERATIONS MGR
Business Phone :	626-967-9521	626-967-9521
24 - Hour Phone :	888-238-2666	888-238-2666
Pager # :	Not Specified	Not Specified

PREVIOUS INSPECTIONS

Activity Date	Program Element	Service	Result	Action	Violation Code	Inspector ID
03/21/00	1003	001	02	01	0003	EE0000091
03/21/00	3002	001	01	00	0	EE0000091
03/21/00	2002	001	02	01	0013	EE0000091
06/19/00	1003	002	01	02	0	EE0000091
06/19/00	2002	002	01	02	0	EE0000091

VIOLATIONS LIST

Activity Date	Program Element	Viol Status	Service	Result	Action	Violation Code	Violation Degree	Description
03/21/00	1003	01	001	02	01	0003	M	HWG MINOR VIOLATION
03/21/00	2002	01	001	02	01	0013	M	TP MINOR VIOLATION

01-HM HW, T.P was Conducted.

CONSENT GIVEN BY: _____ INSPECTOR SIGNATURE: _____ EMPLOYEE ID: _____

1st DATE & TIME OF INSPECTION: _____ 2nd DATE & TIME OF INSPECTION: _____

3rd DATE & TIME OF INSPECTION:

Field Notes

LIST ORDER OF INSPECTION AS FOLLOWS: I. OPENING CONFERENCE II. WALK THROUGH III. DOCUMENTS IV. CLOSING CONFERENCE V. VIOLATIONS

Business Mfg. Power systems for military use.

Power supply for avionic equipments

Mfg. of Circuit boards → 2 methods

(1) through hole → components they have holes & soldering is done

(2) SMT (surface mount stain steel). lay out board. Can work with smaller Components.

Source of Hw

(1) Solvents - such as alcohol, acetone, MIL spec materials

(2) solid debris from coating to Prevent shortage, filters, empty Containers, slong, clothing

(3) soldering materials (MIL spec & used in process)

(4) E waste

(5) wires with lead

(6) Recyclables

(6) A & B Component (urethane) for Packaging

(5) evaporation sludge from ultrasonic cleaner (CESW)

HM Liquid Nitrogen 1500 g - Tank is checked daily for structural defect, and at the time of N_2 delivery

CONSENT GIVEN BY: _____ INSPECTOR SIGNATURE: _____ EMPLOYEE ID: _____

1st DATE & TIME OF INSPECTION: _____ 2nd DATE & TIME OF INSPECTION: _____

3rd DATE & TIME OF INSPECTION:

County of Los Angeles • Fire Department
Health Hazardous Materials Division

INSPECTION SUMMARY REPORT

Business Name: Perkin Elmer Optoelectronics			Phone: (626) 967-9521
Site Address: 1330 E Cypress St.			
City: Covina	CA	Zip Code: 91724	Operating hrs: 0600 - 1700
Mailing Address: Same			Business owner: Perkin Elmer, Inc.
City:	State:	Zip Code:	
Insp Dist:	Insp Unit:	Div:	

Facility ID #: HW 030930 HM 019-999-010569	
Industry Type: manufacture power supplies for the military	
EPA #: CAD981396252	
Sic Code: 3699	No of Empl. 77
Map Page:	Grid:
BN:	Sta:

FEE GROUP		TREATMENT TIERS	OTHER
☑ Disclosure/RS	02	A. ___ PBR, FHHW, HHHW	☐ Financial Assurance
☐ CalARP		B. ___ CA	☐ Phase I
☐ UST		C. ___ CEL	☐ Offsite HazWaste Consolidation
☐ AST/SPCC	☐Y ☐N	D. ___ CE-CL	☐ Recycling Notification
☑ HazWaste Generator	101	E. ___ CESW	☐ Pollution Prevention Report
☐ Large Quantity Generator		F. ___ CESQT	
☑ Tiered Permit	CESQT	___ Total Units	

CLASS OF VIOLATIONS			
	I	II	Minor
HW			1
TP			1
HM	✓		

CA Waste Code	181	551	211			
RCRA Waste Code						
AMT (PGTY) Pounds, Gallons Yds, Tons per quarter	250 P	150 P	55 G			

Referrals ☐ AQMD ☐ B & S ☐ FIRE ☐ IW ☐ OSHA ☐ DTSC ☐ RWQCB ☐ _____

Visit Date	Start Time	Insp Type	Pro Elem	Time Invested	Action Code	Special Circumstances
3/21/00	9:30	001	HW	1:00	N	
3/21/00	10:30	001	HM	1:00	N	Inventory on file
3/21/00	11:30	001	TP	1:00	N	
6/19/00	:		HW	:	A	Office abatement
6/19/00	:		TP	:	A	Office abatement
				Total Time:		:

INSPECTION TYPE: 004: Complaint 001: Inspection 009: Joint Inspection 010: Joint with Agency 011: Multimedia 002: Revisit 012: Permit 023: Sampling 560: Closure
PROGRAM ELEMENT: HM HW TP AST UST RS
ACTION CODES: A: Abate AO: Adm Order CR: Criminal Referral H: Hearing N: NOV O: No viol T: Time ext X: Other Z: non-gen

Insp No: 091	Signature: Assumpta D. Silva	Date: 3/21/00
Consent given by: Cheri Bradford	Title: Senior M/E Engr	Date:

County of Los Angeles • Fire Department
Health Hazardous Materials Division

INSPECTION SUMMARY REPORT

Business Name: Perkin Elmer Optoelectronics		Phone: (626) 967-9521	
Site Address: 1330 E. Cypress St.			
City: Covina	CA	Zip Code: 91724	Operating hrs: 0600 - 1700
Mailing Address: Same		Business owner: Perkin Elmer, Inc.	
City:	State:	Zip Code:	
Insp Dist:	Insp Unit:	Div:	

Facility ID #: HW 030920 HM 019-999-010569	
Industry Type: manufacture power supplies for the military	
EPA #: CAD981396252	
Sic Code: 3679	No of Empl. 97
Map Page:	Grid:
BN:	Sta:

FEE GROUP		TREATMENT TIERS	OTHER
☑ Disclosure/RS	02	A. ____ PBR, FHHW, HHHW	☐ Financial Assurance
☐ CalARP		B. ____ CA	☐ Phase I
☐ UST		C. ____ CEL	☐ Offsite HazWaste Consolidation
☐ AST/SPCC	☐Y ☐N	D. ____ CE-CL	☐ Recycling Notification
☑ HazWaste Generator	101	E. ____ CESW	☐ Pollution Prevention Report
☐ Large Quantity Generator		F. ____ CESQT	
☑ Tiered Permit	CESQT	____ Total Units	

CLASS OF VIOLATIONS			
	I	II	Minor
HW			/
TP			/
HM	✓		

CA Waste Code	181	551	211			
RCRA Waste Code						
AMT (PGTY) Pounds, Gallons Yds, Tons: per quarter	250 P	150 P	55 G			

Referrals ☐ AQMD ☐ B & S ☐ FIRE ☐ IW ☐ OSHA ☐ DTSC ☐ RWQCB ☐ _____

Visit Date	Start Time	Insp Type	Pro Elem	Time Invested	Action Code	Special Circumstances
3/21/00	9:30	001	HW	1:00	N	
3/21/00	10:30	001	HM	1:00	✓	Inventory on file
3/21/00	11:30	001	TP	1:00	N	
6/19/00	:		HW	:	A	Office abatement
6/19/00	:		TP	:	A	Office abatement
			Total Time:	:		

INSPECTION TYPE: 004: Complaint 001: Inspection 009: Joint Inspection 010: Joint with Agency 011: Multimedia 002: Revisit 012: Permit 023: Sampling 560: Closure
PROGRAM ELEMENT: HM HW TP AST UST RS
ACTION CODES: A: Abate AO: Adm Order CR: Criminal Referral H: Hearing N: NOV O: No viol T: Time ext X: Other Z: non-gen

Insp No: 091	Signature: Assumpta De Silva	Date: 3/21/00
Consent given by: Gari Medford	Title: Senior Mfg. Eng'r	Date:

MAR 29 2000

County of Los Angeles • Fire Department
Health Hazardous Materials Division

INSPECTION REPORT

DATE: **3/21/00** PAGE 2 OF ____

DBA: **PERKIN ELMER OPTOELECTRONICS**	Facility ID #: **HW # 030920/HM # 010569**

LIST ORDER OF INSPECTION AS FOLLOWS: I. OPENING CONFERENCE II. WALK THROUGH III. DOCUMENTS IV. CLOSING CONFERENCE V. VIOLATIONS

I. Interviewed Gari Medford and Monty Jones, Senior Manufacturing Engineer and Engineering Manager of the facility. A DBA name change and ownership change took effect Oct. 26, 1999. This facility was formerly known as EG & G Optoelectronics.

Perkin Elmer Optoelectronics manufactures power supplies for the military. The circuit boards they use are already prepped for mounting electrical components. No circuit board electroplating is done in the facility. Soldering, however, is done on site

Perkin Elmer is under the hazardous waste, hazardous materials and tiered permitting program.

II. Walkthrough:

Preparation Area: – they mount/stuff the circuit boards with electrical components
- there are no hazardous waste/hazardous materials in this area

Assembly area: – they use minimal amount of isopropyl alcohol to clean the parts.
- **Hazardous waste**: unused isopropyl alcohol

Surface Mount Center:

(1) ultrasonic cleaner is used to clean left over solder paste from the plates
- with two tanks
- dimensions of each tank: 26" x 24" x 7.5"; volume ≅ 20 gal
- first tank is manually drained into the evaporation unit once every three weeks
- second tank is continuously flowing into the evaporation unit
- **Hazardous Waste**: lead contaminated water

(1) dry nitrogen storage
- Uses nitrogen vapor to replace the oxygen which oxidizes the parts and causes corrosion.

County of Los Angeles • Fire Department
Health Hazardous Materials Division

INSPECTION REPORT

DATE: 3/21/00 PAGE 3 OF ____

DBA: PERKIN ELMER OPTOELECTRONICS	Facility ID #: HW # 030920/HM # 010569

LIST ORDER OF INSPECTION AS FOLLOWS: I. OPENING CONFERENCE II. WALK THROUGH III. DOCUMENTS IV. CLOSING CONFERENCE V. VIOLATIONS

II. Walkthrough (cont.)

Coating area:

(1) spray booth AQMD permit # M 33393
- spray circuit cards with Humiseal 1A20 , a protective coating for electronic parts
- **Hazardous Waste**: unused coatings which is collected in a 5-gallon satellite container
- **Hazardous Waste**: spray booth filters which are changed every week.

(2) ovens
- Used for curing

Note: Vapor degreaser using the HCFC 141B, genesolv 2004 has been discontinued. They are now using DI water with saponifier detergent. Wastewater is being filtered with carbon filters and recycled back in the machine. The machine is serviced by Aqueous Tech.
Hazardous Waste: spent carbon filters
According to the operators, carbon filters are taken and replaced by Aqueous Tech.

Soldering Machine:

Hazardous Waste: dross, which is scraped from the solder pot. Collected in a 5-gallon satellite container

County of Los Angeles • Fire Department
Health Hazardous Materials Division

INSPECTION REPORT

DATE: 3/21/00

DBA: PERKIN ELMER OPTOELECTRONICS	Facility ID #: HW # 030920/HM # 010569

LIST ORDER OF INSPECTION AS FOLLOWS: I. OPENING CONFERENCE II. WALK THROUGH III. DOCUMENTS IV. CLOSING CONFERENCE V. VIOLATIONS

II. Walkthrough (cont.)

Outside building:

Fenced Area:

- 4 cyl. of compressed Carbon dioxide at 50 lbs.
- 1 cyl of oxygen
- Several 5-gallon containers of 2020 PUR potting compound at 66-lbs each

Evaporation Unit

- Dimension: 28" x 32" x 27"
- Volume = 104.7 gallons
- Electrically heated around the edge of the tank
- "MasterVap; high efficiency evaporation
- Treats wastewater from the surface mount center, which is the lead, contaminated waste and also oil/water drippings from the compressors.
- Sludge accumulated from the bottom of the tank is disposed as hazwaste

Hazardous Waste Storage Area:

- 1 x 55 gal of solid wastes (such as caps with cured resins)
- 1 x 55 gal of waste isopropyl alcohol
- 1 x 5 gal of solder dross
- 1 x 5 gal of lead trimmings
- 1 cabinet full of empty containers which are to be disposed as hazardous wastes

County of Los Angeles • Fire Department
Health Hazardous Materials Division

INSPECTION REPORT

DATE: 3/21/00

DBA: PERKIN ELMER OPTOELECTRONICS	Facility ID #: HW # 030920/HM # 010569

LIST ORDER OF INSPECTION AS FOLLOWS: I. OPENING CONFERENCE II. WALK THROUGH III. DOCUMENTS IV. CLOSING CONFERENCE V. VIOLATIONS

III. Walkthrough (cont):

Outside building (cont):

(1) liquid nitrogen
- 1500 gallon tank
- with evaporators to convert the liquid nitrogen to gas which is used at the surface mount area.

(2) cooling tower
- filters of cooling towers serviced by Chem-Pro

IV. Documents:

- Tiered permit notification
- Manifests (a spreadsheet of 1999 manifests attached)

V. Closing:

- Issued NOV to ammend teired permit notification since they no longer have photoprocessing and resin curing.
- Issued NOV on HMMP requirements

Los Angeles County • Certified Unified Program Agency
Health Hazardous Materials Division
Participating Agency to the City of Los Angeles and Santa Monica

NOTICE OF VIOLATION AND ORDER TO COMPLY

OWNER	FACILITY ID#:	DATE: 3/21/00
BUSINESS: Perkin Elmer Optoelectronics		REFER REPLY TO: LACoFD Health Haz Mat Division 5110 N. Peck Rd El Monte, CA 91732
ADDRESS: 1330 E. Cypress St.		
CITY: Covina	ZIP: 91724	

Attention: The items marked on this notice and issued to you represent violations of the California Code of Regulations (CCR) or the California Health and Safety Code (H&S) and/or the Los Angeles County Code. These violations may result in non compliance fees, permit revocation, and/or civil/criminal penalties. Any time granted for correction of the violation(s) does not preclude any enforcement action by this Department or other agencies. *You are hereby directed to correct the violations within the time specified.* Failure to do so will be considered an additional violation. (Referenced titles & chapters: Titles 19, 22, 23, 27 of the CCR, Chapters 6.5, 6.7, 6.95 of the H&S Code and Title 12 of the Los Angeles County Ordinance).

PERMIT REQUIREMENT

Correction Date ___/___/___

101 ☐ Obtain a Unified Program Facility Permit by submitting a completed consolidated permit application package (CPP) (LA Co Ord. Sec. 12.50.075, 12.50.115).

ON-SITE HAZARDOUS WASTE TREATMENT PROGRAM

DRY CLEANING OPERATION REQUIREMENT

Correction Date ___/___/___

701 ☐ Obtain a permit or authorization prior to treating effluent hazardous waste from dry cleaning operations, if treating more than 180 gallons a month of perchloroethylene, or if not otherwise exempted by H&S 25201.8(a).

RECYCLING EXEMPTION AND EXCLUSION REQUIREMENTS

Correction Date ___/___/___

702 ☐ Claim exemptions or exclusions under H&S 25143.2 for appropriate recycling activities only.

703 ☐ Label each container or tank of excluded material with the words "Excluded Recyclable Material", instead of the words "Hazardous Waste" [H&S 25143.9(a)].

704 ☐ Report onsite recycling activities to this agency every two years if more than 100 kg. per month of excluded or exempted recyclable material is recycled [H&S 251443.10(a)].

FACILITY NOTIFICATION REQUIREMENTS. 4 25 00

Correction Date ___/___/___

705 ☐ For CA and CE tiers, submit the Onsite Hazardous Waste Treatment Notification Form to this agency not less than 60 days prior to commencing the first treatment of hazardous waste [H&S 25200.3(e), H&S 25201.5(d)(7)]. For the PBR tier, submit an annual notification form to the CUPA by January 1 of each year [22CCR 67450.3(c)(1)].

706 ☐ Properly indicate all units under PBR, CA and CE on the Onsite Hazardous Waste Treatment Facility Information Plan [22CCR 67450.3(c), H&S 25200.3(e), 25201.5(d)(1)].

707 ☐ Correctly identify all generator information on the Onsite Hazardous Waste Treatment Facility Information Plan for PBR, CA, CE, CEL or CECL notification [22CCR 67450.3(c), H&S 25200.3(e)(3), 25201.5(d)(7), 25201.14(c)(2), 25144.6(c)(6)].

708 ☐ Submit a plot plan/map that shows the location of all regulated units [22CCR 67450.2(b)(3)(B), H&S 25201.5(d)(7)(A), 25200.3(f)].

709 ☐ Provide an amended notification within 30 days for any changes in information from the most recent notification [22CCR 67450.3(c)(2), H&S 25200.2(k), 25201.5(i)].

710 ☐ Notify the CUPA upon closure of the treatment operation. For the PBR tier, notify at least 15 days prior to completion of closure. [25201.5(d)(8)(B), 25200.3(g)(2)(A), 22CCR 67450.3(a)(13)(F)].

GENERAL REQUIREMENTS (PBR, CA and CE) 4 25 00

Correction Date ___/___/___

711 ☐ Manage the waste in accordance with all applicable requirements for a generator of hazardous waste, including contingency plan and training records [H&S 25201.5(d)(9), 25200.3(f), 22CCR 67450.3(c)(9), (c)(8)(C)].

712 ☐ Treat only hazardous wastes which are generated onsite [H&S 25201.5(d)(1), 25200.3(c)(8), 22CCR 67450.3(c)(6)].

713 ☐ Restrict hazardous waste treatment to those wastes, volumes and processes authorized for the reported treatment tier (CE up to 55 gal. or 500 lbs., CA up to 5,000 gal. or 45,000 lbs. in any calendar month) [H&S 25201.5(a), (d)(3), 25200.3(b), 22CCR 67450.3(c)(4)].

714 ☐ Prepare and maintain written operating instructions, including record of the dates, amounts, and types of waste treated. For CA and PBR tiers, include the concentrations of hazardous constituents in the waste treated [H&S 25201.5(d)(3), 25200.3(c)(6), 22CCR 67450.3(c)(9), 66265.73(a)].

715 ☐ Prepare and maintain for 3 years a written inspection schedule (containers-weekly and tanks- daily) and a log of inspections [H&S 25201.5(d)(4), 25200.3(c)(5), 22CCR 67450.3(c)(9)(A), 66265.15(b),(d)].

716 ☐ Maintain adequate records to demonstrate that the facility is in compliance with all applicable pretreatment standards and applicable industrial waste discharge requirements issued by

DBA/Name Parkin Elmer Optholectronics	Owner

the agency operating the publicly owned treatment works into which the wastes are discharged [H&S 25201.5(d)(6), 25200.3(c)(7), 22CCR 67450.3(c)(5)(A)].

717 ☐ Upon closure, remove or decontaminate any residue, equipment, or soil [H&S 25201.5(d)(8)(A), 25200.3(g)(1), 22CCR 67450.3(a)(13), 66265.111, 66265.114].

CE AND CA

Correction Date ___/___/___

718 ☐ Test integrity of the ancillary equipment for tanks or containers treating hazardous waste every two years, or provide secondary containment [H&S 25201.5(e)(1), 25200.3(c)(4)(A)].

CA AND PBR

Correction Date ___/___/___

719 ☐ Control all entry points at an active facility and post a sign with "Danger - Hazardous Waste Area - Unauthorized Personnel Keep Out", at each entrance [H&S 25200.3(c)(1), 22CCR 66265.14].

720 ☐ Post a "No Smoking" sign in an area where there is a hazard from ignitable or reactive waste [H&S 25200.3(c)(1), 22CCR 66265.17(a)].

721 ☐ Provide a containment system for the hazardous waste container treatment, transfer and storage areas [H&S 25200.3(c)(4), 22CCR 66265.175(a)].

722 ☐ Maintain the containment system of a hazardous waste container area by eliminating cracks and gaps, and removing spilled or leaked waste or rainwater [H&S 25200.3(c)(4), 22CCR 66265.175(b)].

723 ☐ Maintain an annual hazardous waste minimization certification (H&S 25202.9).

724 ☐ Provide financial assurance with certification for closure by the date on which notification to operate was submitted for authorization [H&S 25245.4(b)(1), 22CCR 67450.13(a)(8), (b)].

725 ☐ Adjust the closure cost estimate for inflation by March of each year [22CCR 67450.13(a)(2)].

726 ☐ Conduct a Phase I environmental assessment using DTSC form 1151 [H&S 25200.14(a)(1), 25200.3(c)(3)].

727 ☐ Within 90 days of submission of a Phase I environmental assessment, submit the required schedule for further investigation needed, as a result of the Phase I assessment [H&S 25200.14(e)(1)].

728 ☐ Submit updated information obtained concerning releases, subsequent to the submission of the Phase I environmental assessment [H&S 25200.14(a)(1)].

729 ☐ Maintain documentation of any environmental investigation or cleanup, or of any judgements, convictions, settlements or agency orders concerning the operation of the facility for 3 years [H&S 25200.3(e)(3)(E), 22CCR 67450.3(c)(8)(H),(c)(8)(I)].

730 ☐ Notify the new owner or operator of the facility in writing of requirements of Chapter 15 and Chapter 20 of Division 4.5 of Title 22CCR [H&S 25200.3(c)(1), 22CCR 66265.12(c)(1)].

PBR

Correction Date ___/___/___

731 ☐ Permanently mark the exterior of each treatment unit with the name of the person who owns or operates the unit, the facility ID number, and the unit serial number [22CCR 67450.3(c)(7)].

732 ☐ Develop and maintain onsite a written waste analysis plan for treatment of hazardous waste [22CCR 67450.3(c)(8)(A), 66265.13(b)].

733 ☐ Repeat required analysis of waste as needed to be sure it is up to date [22CCR 67450.3(c)(9)(A), 66265.23(a)(4)].

734 ☐ Provide the following information in the operating record and make it available upon request [22CCR 7450.3(c)(9)(D), 66265.74(a)]:

- 735 ☐ A description, quantity, methods and dates of all hazardous waste treated.
- 736 ☐ Results of waste analyses.
- 737 ☐ Summary reports and details of all incidents that require implementing the contingency plan.

738 ☐ Prepare and submit an annual report to the Department when requested, including the serial numbers and treatment methods for each treatment unit, and the quantity, composition and hazardous characteristics of the influent and effluent waste streams [22CCR 64750.3(c)(10)].

739 ☐ Prepare and maintain a written closure plan on site that describes how and when each unit will be closed, including the steps needed to decontaminate each unit and a schedule for the closure process [22CCR 67450.3(c)(11)(B), (c)(8)(G)].

Others
① Provide a manifest copy showing waste disposal of the spray booth filters
② Provide copy of an invoice showing service of filters by Agneous Tech

Authorized Rep:	Title:
Auth Rep Signature:	Inspected by: Prashanta De Silva

Los An[illegible]s County • Certified Unified Prog[illegible]n Agency
Health Hazardous Materials Division
Participating Agency to the City of Los Angeles and Santa Monica

NOTICE OF VIOLATION AND ORDER TO COMPLY

OWNER	FACILITY ID#:	DATE: 3/21/00
BUSINESS: Perkin Elmer Optoelectronics		REFER REPLY TO: LACoFD Health Hazmat Div 5110 N. Peck Rd El Monte, CA 91732
ADDRESS: 1330 E. Cypress St.		
CITY: Covina	ZIP: 91724	

Attention: The items marked on this notice and issued to you represent violations of the California Code of Regulations (CCR) or the California Health and Safety Code (H&S) and/or the Los Angeles County Code. These violations may result in non compliance fees, permit revocation, and/or civil/criminal penalties. Any time granted for correction of the violation(s) does not preclude any enforcement action by this Department or other agencies. *You are hereby directed to correct the violations within the time specified.* Failure to do so will be considered an additional violation. (Referenced titles & chapters: Titles 19, 22, 23, 27 of the CCR, Chapters 6.5, 6.7, 6.95 of the H&S Code and Title 12 of the Los Angeles County Ordinance).

PERMIT REQUIREMENT

Correction Date ___/___/___

101 ☐ Obtain a Unified Program Facility Permit by submitting a completed consolidated permit application package (CPP) (LA Co Ord. Sec. 12.50.075, 12.50.115).

HAZARDOUS MATERIALS MANAGEMENT PLAN PROGRAM
Hazardous Materials Release Response Plan (HMRRP)
California Accidental Release Prevention Plan (Cal ARP)

RECORD KEEPING

Correction Date 4/28/00

201 ☑ Implement a business plan and submit a copy to the Los Angeles County CUPA (H&S 25504).

A California Hazardous Materials Consolidated Contingency Plan that complies with the regulatory compliance matrix may be used to comply with the business plan and contingency plan requirement under H&S Code Section 25504 and 22CCR66265.51 (a).

■ Provide the following information on the hazardous materials inventory [H&S 25504]:

202 ☑ Listing of the chemical name and common name of all hazardous materials [(a)(1)(3)].
203 ☑ Category of waste handled [a(2)].
204 ☑ Maximum amount of each hazardous materials handled in one year [(a)(4)].
205 ☑ How & where hazardous materials are handled [(a)(5)].
206 ☑ SIC code [(a)(6)].
207 ☑ Name & phone number of Emergency Coordinator [(a)(7)].

RELEASE REPORTING

Correction Date ___/___/___

■ Provide the following required elements on the Emergency Response Plan and Procedure [H&S 25504(b)]:

208 ☐ Immediate notification to the administering agency and to the appropriate local emergency rescue personnel [(b)(1)].
209 ☐ Procedures for the mitigation of a release or threatened release to minimize any potential harm or damage to persons, property, or the environment [(b)(2)].
210 ☐ Evacuation plans and procedures, including immediate notice for the business site [(b)(3)].
211 ☐ Include a copy of your training plan for all new employees. [H&S 25504(c)].

REGULATED SUBSTANCES (RS) REQUIREMENTS

Correction Date ___/___/___

212 ☐ Submit regulated substance registration forms (OES 2735.6) for all regulated substances greater than the threshold planning quantities established by Cal-ARP [9 CCR 2740.1(a)].

■ Update the RS registration form [19CCR 2740.1(d)]:

213 ☐ Before the date on which a new RS is first present above a threshold quantity in an already covered process.
214 ☐ Before the date on which an RS is first present above a threshold quantity in a new process.
215 ☐ Within 6 months of a process change that requires a revised hazard review or offsite consequence analysis or that alters the program level.

RISK MANAGEMENT PROGRAM (RMP) REQUIREMENTS

Correction Date ___/___/___

216 ☐ Submit an RMP for listed RSs under the Federal ARP program [19CCR 2745.1(a)].
217 ☐ Submit an RMP for listed RSs under Cal-ARP but not under Fed ARP when required by the administering agency [19CCR 2745.1(b)].

■ Revise and update the RMP [19CCR 2745.10 (a)]:

218 ☐ Within 5 years of its initial submission or most recent update.
219 ☐ Before the date on which a new RS is first present above a threshold quantity in an already covered process.
220 ☐ Before the date on which an RS is first present above a threshold quantity in a new process.
221 ☐ Within 6 months of a process change that requires a revised hazard review or offsite consequence analysis or that alters the Program level.
222 ☐ Maintain all Cal-ARP records for at least 5 years [H&S 25534(f)].

Authorized Rep:	Title:
Auth Rep Signature:	Inspected by: [illegible]

4.23.96

PHL# 03a940 **INDUSTRY SURVEY**

Los Angeles County Fire Department • Prevention Bureau
Health Hazardous Materials Division

LACoFD HHMD • IS1 v3.2 • 4/93

Code 102 | SIC# 3679 | EPA# CAD981396252 | ☐Pending ☐NA

DBA EG+G POWER SYSTEMS	Phone 818-967-9521
Owner EG+G INC	Interviewed ED ROTH
Partner	Title INDUSTRIAL ENGINEER
Address number 1330 dir E street name CYPRESS type ST.	Product/Service MFG. ELECTRONIC EQUIP.
unit # / City COV / Zip 91724	
Mailing SAA	Start Date 1-1-90 / # of employees 140
	# of shifts / Operating hours

Viol Rank	CA Waste Code	1 171	2 551	3	4
☐HWUT	Amt (PGT) Pounds, Gallons, Tons; per quarter	3230 lb.	150 lb.		
☐HRF	Mtl/Qty				

Referrals ☐AQMD ☐B&S ☐Fire ☐IW ☐OSHA ☐SDHS ☐_____

Viol 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 99

Visit Date	Start Time	Insp	Action	Time Invested	Special Circumstances
04/16/96	1:30	105	I,O	2:00	
/ /	:			:	
/ /	:			:	
/ /	:			:	

Signature(s) T. [signature]

Action codes: A-Abate C-Complaint E-Enforce H-Hearing I-Insp M-site Mit N-NOV O-no viol P-PHL Inv R-Revisit S-Samples T-Time ext X-other Z-non-gen

ARRIVED AT ABOVE ADDRESS FOR INSPECTION. MET ED ROTH, INDUSTRIAL ENGINEER, COMPANY MAKES POWER SUPPLIES AND INSTALLS COMPONENTS ON CIRCUIT BOARDS. HAS QC LAB THAT HAS SOME HAZ-WASTE, IN ADDITION, COMPANY HAS VAPOR DEGREASER THAT USES HCFC 141B, GENESOLV 2004. DEGREASER IS NOT CLEANED AND APPEARS NO HAZ-WASTE HAS BEEN GEN. FROM THIS ITEM.

INSTALL VARIOUS COMPONENTS ON CIRCUIT BOARDS → LARGE WAVE SOLDERING MACHINE → LARGE SURFACE SOLDERING MACHINE → WASTE LEAD

↓

EES REFINING
MAN # 93432741

Date 4-16-96 Time

PHL# 039092

Los Angeles County
Hazardous Materials Control Program
Industry Survey Continuation Sheet

Insp. 165 Page 2 of 2

DBA | Interviewed

P R O C E S S F L O W C H A R T

process & materials → hazardous waste & rate generated → storage method (drum/AST/UST) → hauler manifest number & date → disposal method / environmental fate

QC LAB WORK ;

VARIOUS QC MACHINES → USES VARIOUS TESTING EQUIP.

↓

WASTE HAZ. LIQ.

↓

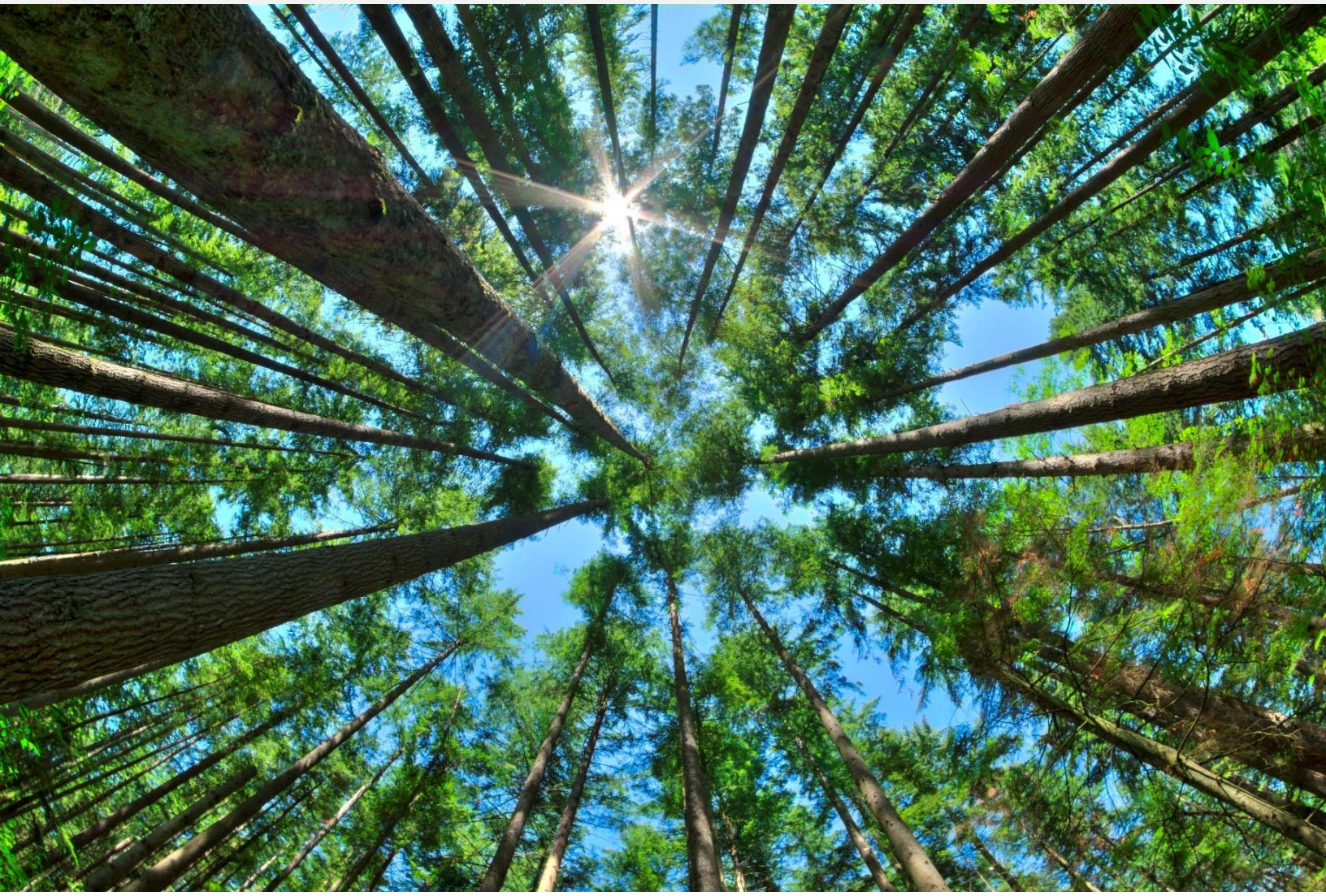
LAIDLAW ENVIRO.
MAN # 93609964

NOTED ONE VIOLATION. NO LABEL ON 5 gal DRUM OF WASTE LEAD. MR. ROTH HAD LABEL ON DRUM BEFOR INSPECTOR DEPARTED.

HAS A TREATMENT SYSTEM. WATER TREATMENT TO REMOVE LEAD. DID NOT CONDUCT INSPECTION OF THIS PROCESS AS NOT TRAINED IN THIS AREA.

Violations / Remarks NOTED LABEL VIOLATION, IN COMPLIANCE BEFOR DEPARTED

Previous Reports/Miscellaneous Documents



DRAFT Phase I Environmental Site Assessment

Excelitas Technologies Corporation
1330 East Cypress Street
Covina, California 91724

19 August 2019

Project No.: 0520573

The business of sustainability

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EXECUTIVE SUMMARY

ERM Consulting and Engineering, Inc. (“ERM”) conducted a Phase I Environmental Site Assessment (“ESA”) of the Excelitas Technologies Corporation (“Excelitas”) facility located at 1330 East Cypress Street in Covina, California (the “Site” or “Subject Property”). The Phase I ESA was conducted in accordance with the scope and limitations of ASTM International Standard E-1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (“E-1527-13”). Exceptions to, or deletions from, E1527-13 are described in Section 1.3.4 of this report.

A Site visit was conducted on 7 August 2019 by Ms. Emily Ross of ERM. The Site is occupied by Excelitas Technologies Corporation, a manufacturer of photonic components, modules, sub-systems, and systems. The Subject Property consists of approximately 2.26 acres of land developed with two adjoining light-industrial buildings, identified by Excelitas as Building 1 (the western building) and Building 2 (the eastern building), which total approximately 60,000 square feet of owned building space.

Building 1 and Building 2 include the following operations: manufacturing; assembly (i.e., electrical machine assembly); quality control and testing; maintenance; and office/administration. Additional building use includes storage and shipping/receiving. Two hazardous material/waste storage sheds are located south of Building 1. The surrounding land use is primarily residential, commercial, and light-industrial in nature.

The Site is currently used for the design, development, and manufacture of photonic components, modules, sub-systems, and systems used for detection, optics illumination, and advanced electronics for original equipment manufacturer (OEM) and defense industries, with the majority (approximately 99 percent) serving the defense industry. Excelitas currently employs approximately 45 full-time employees and operates during one shift from either 7:00 am to 3:30 pm or 8:00 am to 5:00 pm, 5 days per week.

The primary operations include electrical mechanical assembly. Raw materials are received on-Site via trucks and stored in the main stockroom located in Building 1. Components are prepped (i.e., cleaned, cut, bent, etc.) for assembly. Employees then manually assemble all mechanical and electrical components (i.e., install terminals, fasten connectors, etc.). Tin lead soldering is conducted throughout the assembly process. Product verification, inspection, and testing is conducted throughout operations for quality control purposes. Additional inspections and/or rework is conducted as necessary. Minor painting operations are conducted in Building 1 within a designated spray booth. According to the Site representative, painting operations are limited to touch-out painting on units that are sent back to the Site by customers for repair. Additionally, the Site maintains one machine shop (Building 2) and two on-Site laboratories; however, only one laboratory is currently in use.

Historical maps and aerial photographs indicate that the Site was developed for agricultural purposes by at least 1928. At that time, the Site appears to have been an orange grove and included small-scale residential/agricultural structures. By at least 1964, the Site appears to have be excavated in preparation for development. According to the Los Angeles County Assessors Property Assessment Information System, the Subject Property was originally developed by Edgerton, Germeshausen, and Grier, Inc. (EG&G) with Building 1 for commercial/light-industrial purposes in 1977. EG&G operated at the Subject Property until 1999, when it was acquired by Perkin Elmer. According to the Site representative, the Site operations have remained generally consistent since the late 1970s. However, the Site representative stated there have been two noteworthy discontinued operations at the Subject Property, which include: degreasing operations using chlorinated solvents (ceased in the early 1990s) and magnetic coating (ceased circa 2014).

ERM has identified the following conclusions associated with the Site (full details are provided in Section 6 of this report):

Summary of Identified Issues
ASTM E1527-13 Findings
Recognized Environmental Conditions (RECs)1
None Identified
Controlled Recognized Environmental Conditions (CRECs)[1]
None Identified
Historical Recognized Environmental Conditions (HRECs)[1]
None Identified
De Minimis Conditions[1]
■ Minor Staining
Non-ASTM E1527-13 Issues
Other Potential Issues
■ Historical Chlorinated Solvent Use ■ Lead Soldering Operations ■ Hazardous Building Materials ■ Potential Impacts from Adjacent Properties

[1] Key ASTM definitions, including REC, CREC and HREC, are provided in Section 8

1. INTRODUCTION AND BAC□GROUND

1.1 Purpose and Auditors

On behalf of TT Electronics (the "Client"), ERM Consulting and Engineering, Inc. ("ERM") completed a Phase I Environmental Site Assessment ("ESA") at the Excelitas Technologies Corporation ("Excelitas") facility located at 1330 East Cypress Street in Covina, California (the "Subject Property" or the "Site"). The environmental assessment was performed in anticipation of a financial transaction involving the Site.

The Site visit was performed on 7 August 2019 by ERM assessor, Ms. Emily Ross. ERM was accompanied on the Site visit by Mr. Mike Garcia, Excelitas Production Manager (the "Site representative"). Mr. Garcia has been involved with the Site for approximately 33 years.

The "User" of this Phase I ESA report, as prescribed under ASTM International (ASTM) Standard E-1527-13; *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* ("E-1527-13") is defined as TT Electronics.

1.2 Scope of Wor□

This environmental assessment was conducted in conformance with ERM's proposal dated 2 August 2019 and with the requirements of ASTM E 1527-13. Exceptions to, or deletions from, E1527-13 are described in Section 1.3.4 of this report.

ERM's Phase I ESA sought to gather information regarding: (1) current and past property uses and occupancies; (2) current and past use of hazardous substances and petroleum products; (3) waste management and disposal activities that could have caused a release or threatened release of hazardous substances; (4) current and past corrective actions and response activities to address past and on-going releases of hazardous substances at the Subject Property; and (5) properties adjoining or located near the Subject Property that have environmental conditions that could have resulted in conditions indicative of releases or threatened releases of hazardous substances to the Subject Property.

The scope of this Phase I ESA included:

- An on-site inspection to evaluate current conditions and identify areas of potential concern;
- A review of the history of the Subject Property and its vicinity through interviews and a review of various historical sources;
- Observation of adjoining properties and properties in the local area to evaluate the potential for adverse environmental impact to the Subject Property;
- Interviews/research of local city/county, tribal, state, and federal records, including contracting of Environmental Data Resources, Inc. (EDR) to identify regulatory listings for the Site and regulatory-listed facilities in the vicinity of the Site, as required in the regulatory records review section of the ASTM E1527-13; and
- Interviews and/or requests for information from the User and Subject Property owner, as deemed appropriate by the Environmental Professional.

The following considerations, classified as "non-scope considerations" in ASTM Standard E 1527-13, are included in the scope of ERM's Assessment:

- A preliminary building asbestos assessment was conducted. The asbestos assessment included visible observations from floor-level only of readily accessible building areas. Building roofs were assessed from ground level only. No sampling was conducted.

1.3 Limiting and Special Conditions

1.3.1 Limiting Conditions during the Site Visit

ERM was unable to fully observe the roof portions of the Subject Property. No other limiting conditions were encountered during the Site visit.

1.3.2 Data Gaps

The following table summarizes the data gaps identified during the Site assessment.

Table 1-1: Date Gap Summary

Data Gap / Failure	Sources Consulted to Address Data Gap	Significance
ERM did not interview the former Subject Property owner(s) because contact information for the owner(s) was not readily available.	Interviews with Site personnel familiar with the Subject Property history, in addition to review of historical maps, photographs, and regulatory information.	Non-significant

Source: EPA 2015 (Style is Table Source. All tables and figures must have sources [if appropriate])
**"Significance" provides a qualitative indication of the implication of the identified data gap relative to the Environmental Professional's (EP's) ability to identify conditions indicative of releases or threatened releases to the subject property; the "significance" of the data gaps are rated from low to high. "Non-significant" indicates that additional information to fill the data gaps is not likely to have a negative impact on ERM's conclusions presented in this report. "Significant" indicates that it is ERM's opinion that additional diligence or investigation (such as additional data review or physical sampling of environmental media) is required to address the data gap.*

1.3.3 Significant Assumptions

No significant assumptions have been made.

1.3.4 Exceptions to and Deletions from the ASTM E1527-13 Standard

ERM has not identified exceptions to, or deletions from the ASTM E1527-13 standard.

2. PHYSICAL SITE SETTING

2.1 Location

The Site is located on the southern side of Cypress Street, approximately 1.62 miles east of Covina, Los Angeles County, California. The general location of the Subject Property and the physiographic features of the surrounding area are depicted on Figure 1, developed from the United States Geological Survey (USGS) 7.5-minute quadrangle for San Dimas, California, dated 2012.

2.2 Topography and Hydrology

The Subject Property is located at an elevation of approximately 670 feet above mean sea level, is generally flat, and slopes slightly to the southwest. Surface water at the Subject Property drains via overland flow to a manmade drainage ditch located in the southwestern corner of the Site. According to the Site representative, the drainage ditch discharges to a nearby creek. A storm water catch basin was observed south of Building 2 within the Site's loading dock. The Site representative reported that the catch basin is pumped out on an as-needed basis and discharged to the Site's storm water drainage ditch, as further described in Sections 3.1.3 and 4.4.3 of this report.

The overall topographic trend of the surrounding area also slopes to the southwest. The nearest surface water body is the San Dimas Wash, located approximately 0.84 miles north of the Subject Property.

According to flood zone and National Wetland Inventory (NWI) data presented in the EDR® Radius Map™ Report reviewed by ERM, the Subject Property is not located within wetland delineated areas or the 100 or 500-year flood plains. Flood zone and NWI data was obtained by EDR from the Federal Emergency Management Agency (FEMA) and U.S. Fish and Wildlife Services, respectively.

2.3 Geology and Hydrogeology

According to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey data for the Los Angeles County area, the surface soils in the vicinity of the Subject Property are described as generally comprised of Urban Land. Additional soil types in the area include, but are not limited to, the following soil types:

- Sandy loam;
- Silt loam;
- Clay;
- Fine sand;
- Fine sandy loam; and
- Gravelly – sandy loam.

The bedrock stratigraphic unit beneath the Subject Property is of the Cenozoic era, and of the Quaternary system and series, which has a stratified sequence.

According to the EDR report, there are one Federal United States Geological Survey (USGS) well and two state groundwater wells located within 0.5 to one mile of the Subject Property. No public water supply wells are located within a one mile radius of the Site. Additionally, one state oil/gas well is located within 0.25 to 0.5 mile of the Subject Property and two state oil/gas wells are located within 0.5 to one mile of the Subject Property. The Site representative was not aware of any current or former wells at the Subject Property, and none were observed at the time of the Site visit. According to the Site contacts, the Site has been connected to the City of Covina water service since its construction in 1977.

The Site-specific depth to groundwater data necessary to determine actual shallow groundwater flow direction for the Subject Property is not available, and as such, groundwater flow direction at the Subject Property cannot be accurately determined by ERM. However, based on surface topography, it is expected that groundwater generally flows to the southwest.

It is important to note that groundwater flow direction can be influenced locally and regionally by the presence of local wetland features, surface topography, recharge and discharge areas, horizontal and vertical inconsistencies in the types and location of subsurface soils, and proximity to water pumping wells.

3. SITE DESCRIPTION, OPERATIONS, AND HISTORY

3.1 General Site Description

3.1.1 Real Estate Ownership Information

According to a property record card obtained from the Los Angeles County Department of Regional Planning Online Geographic Information System (GIS) Map, the Subject Property consists of a single parcel identified under Assessor's Identification Number (AIN) 8427-001-006 owned by Excelitas. Historically, the Subject Property was owned by Perkin Elmer. Excelitas was established in 2010 as a spin-off from Perkin Elmer. Since then, the Subject Property has remained under the ownership of Excelitas.

3.1.2 Subject Property Layout

The Subject Property is located on approximately 2.26 acres of land situated on one rectangular shaped parcel, south of East Cypress Street, approximately 1.62 miles east of Covina, Los Angeles County, California.

The Subject Property is developed with two adjoining buildings, identified by Excelitas as "Building 1" (the western building) and "Building 2" (the eastern building), which total approximately 60,000 square feet of building space.

Building 1 is a single-story industrial building constructed in 1977 by Edgerton, Germeshausen, and Grier, Inc. (EG&G). EG&G operated the Site as a designer and manufacturer of electrical components consistent with current day operations. Building 1 includes the following process/operational features:

- Manufacturing;
- Assembly (i.e., electrical machine assembly);
- Quality control and testing;
- Laboratory (active);
- Maintenance; and
- Office/administration.

A stockroom includes the storage of all incoming raw materials and electrical components used during assembly. Various workbenches are located in Building 1 for electric mechanical assembly. A tinning room is operated within Building 1 with three associated stacks used for molten soldering. Ten environmental chambers are located along the southern boundary of Building 1 for environmental quality control testing. Three exterior cooling towers are located south of Building 1 are associated with the 10 environmental chambers. Additionally, quality control testing is conducted via ultraviolent (UV) curing ovens also located in Building 1, north of the environmental chambers. Building 1 includes one furnace used for quality control testing.

Building 2, a two-story industrial building, developed in the early 1980s as an extension to Building 1. Building 2 includes the following process/operational features:

- Manufacturing;
- Assembly (i.e., electrical machine assembly);
- Quality control;
- Laboratory (in-active);

- Maintenance;
- Information Technology (IT);
- Storage;
- Office/administration; and

Building 2 includes similar processes as Building 1. However, Building 2 is a two-story structure and includes one maintenance repair shop for all internal small-scale maintenance and repair for produces and equipment. One hydraulic elevator is located in Building 2 to access the second floor. The second floor of Building 2 includes conference rooms, offices, storage, IT, an inactive laboratory, and available process space.

Two adjoining hazardous material/waste storage sheds are located immediately south of Building 1. The two secured sheds are roofed and consist of bermed concrete flooring with an epoxy coating to ensure secondary containment for hazardous materials/wastes stored inside. Additional information regarding the two on-Site hazardous material/waste storage sheds is discussed in Section 4.2.

In addition to the two main buildings and two sheds, the Subject Property includes the following:

- One non-hazardous waste dumpster (located east of Building 1 and south of Building 2);
- One in-use loading dock (located south of Building 1);
- Two locked/gated areas for non-hazardous equipment storage (i.e., scrap metal, cooling towers, etc., located south of Building 1 and Building 2);
- One liquid nitrogen aboveground storage tank (AST, located west of Building 1);
- An underground water clarification system (located west of Building 1);
- Two water resin beds tanks (located west of Building 1);
- An air compressor (located east of Building 1 and south of Building 2); and
- A covered patio (located east of Building 1 and south of Building 2)

The remainder of the Subject Property is developed with an asphalt parking lot. Approximately 95 percent of the Subject Property is paved and/or covered by Site Buildings. A storm water catch basin is located in the southwestern corner of the Subject Property. A chain link fence surrounds the perimeter southern, western, and eastern portions of the Subject Property.

The Site representative reported that the Site currently subleases a small portion of the roof of Building 2' to a local cellular company. The cellular company currently maintains a cell tower (within a secured barrier) on the roof and has private access to the leased area.

The Site is provided with water for process, sanitary, and drinking use and sanitary sewer services from the City of Covina Department of Public Works. Electricity and natural gas connections are also maintained on-Site through Southern California Edison ("SoCal Edison" or "SCE"). The Site does not maintain any fuel oil on-Site.

One natural gas furnace is located in Building 1 in the 'Hot Room'. According to the Site representative, the furnace is operated for quality control / test purposes for the Site's products. The furnace is used approximately two to five times a month for overnight tests.

Propane is maintained on-Site in small quantities (i.e., five-gallon containers) for the Site's forklift and barbeque grill.

The Site's heating and cooling is operated by an electric heating, ventilation, and air conditioning (HVAC) system. According to the Site representative, the Site contracts an outside company to service the on-Site HVAC system for maintenance.

According to the Site representative, the Site does not maintain any emergency generators on-Site for power purposes. However, the Site does maintain a 400 hertz generator for product testing purposes.

Site Layout Maps are provided as Figures 2A, 2B, 2C, and 2D, and a Surrounding Area Map is provided as Figure 3. Photographs of the Site are included as Appendix A.

3.2 Current Site Operations

The Site is currently used for the design, development, and manufacture of photonic components, modules, sub-systems, and systems used for detection, optics illumination, and advanced electronics for original equipment manufacturer (OEM) and defense industries, with the majority (approximately 99 percent) serving the defense industry.

The primary operations include electrical mechanical assembly. According to the Manufacturing Flow Chart provided by the facility, assembly operations include:

- Circuit card assembly;
- Sub-assemblies;
- Secondary assembly;
- Module assembly;
- Top assembly; and
- Wire preparation.

Raw materials are received on-Site via trucks and stored in the main stockroom located in Building 1. Components are prepped (i.e., cleaned, cut, bent, etc.) for assembly. Employees then manually assembly all mechanical and electrical components (i.e., install terminals, fasten connectors, etc.) throughout the workbenches in both Building 1 and Building 2. Tin lead soldering is conducted throughout the assembly process. Product verification, inspection, and testing is conducted throughout operations for quality control purposes. Additional inspections and/or rework is conducted as necessary.

Products are cleaned via aqueous cleaning machines and are tested for cleanliness .Employees install electrical components via soldering. The Site historically conducted degreasing operations that included the use and storage of chlorinated solvents for the abovementioned cleaning operations, as discussed further in Section 3.3.1. The Site no longer uses chlorinated solvents and all cleaning operations are limited to aqueous based materials (i.e., acetone, IPA, etc.).

Minor painting operations are conducted in Building 1 within a designated spray booth. According to the Site representative, painting operations are limited to touch-out painting on units that are sent back to the Site by customers for repair.

A machine shop is located in Building 2 where small-scale milling, cutting, and reports operations are conducted for internal repairs and maintenance of equipment and materials. According to the Site representative, if large-scale repairs or maintenance tasks are required, the Site will contract an outside company to conduct required jobs.

The Site maintains two on-Site laboratories. Both laboratories are operated as electrical mechanical assembly laboratories. According to the Site representative, only one laboratory is currently active.

The Site maintains one owned propane powered forklift, which was purchased in the 1990s. The Target uses an outside contractor for the maintenance of the one forklift used on-Site; the contractor is responsible for the management of forklift-related maintenance wastes.

The Site address is listed on the Environmental Protection Agency (EPA) Envirofacts database under entity name “EG&G Power Systems.” Note that the Envirofacts database reported “Excelitas Technologies Corporation” as an affiliated name for the property. According to the Envirofacts database, the Site’s standard industrial classification (SIC) code is 3679: Electronic Components, Not Elsewhere Classified. According to the Site representative, Excelitas currently employs approximately 45 full-time employees and operate during one shift from either 7:00 am to 3:30 pm or 8:00 am to 5:00 pm, 5 days per week.

3.3 Historical Site Operations

3.3.1 Historical Summary

Historical maps and aerial photographs indicate that the Site was developed for agricultural purposes by at least 1928. At that time, the Site appears to have been an orange grove and included small-scale residential/agricultural structures. The Subject Property remained the same from the late 1920s through the 1950s. By 1964, the Site appears to have be excavated in preparation for development. According to the Los Angeles County Assessors Property Assessment Information System, the Subject Property was originally developed by Edgerton, Germeshausen, and Grier, Inc. (EG&G) with Building 1 for commercial/light-industrial purposes in 1977. Based on a 1983 historical aerial photograph, the Subject Property appears to be fully developed with Building 1 and Building 2 and appears to be consistent with current-day configuration. EG&G operated at the Subject Property until 1999, when it was acquired by Perkin Elmer.

According to the Site representative, the Site operations have remained generally consistent since the late 1970s. However, the Site representative stated there have been two noteworthy discontinued operations at the Subject Property, which include:

- *Degreasing Operations (Chlorinated Solvents)*: The Site historically operated three degreasing machines, all of which located in Building 1, to conduct circuit board cleaning (the degreasing locations are noted in the appended figures). The historical degreasing operations used chlorinated solvents during cleaning processes. Limited information regarding the historical use of chlorinated solvents was made available to ERM. According to the Site representative and information obtained through the EDR Radius Report, the historical degreasing operations may have included the following chlorinated solvents: tetrachloroethylene or perchloroethylene (PCE); methylene chloride; trichloroethylene (TCE); and 1,1,1-Trichloroethane (TCA). According to the Site representative, the degreasing operations began in the late 1970s and continued through the early 1990s. Historical storage of all chlorinated solvents is assumed to be located in the current day hazardous material/waste storage sheds. The Site representative reported the quantity of historic chlorinated solvents use and stored remained below 55-gallons. The Site has since switched to non-chlorinated solvents (i.e., acetone, isopropyl alcohol) for the on-Site cleaning processes. The Site representative was not aware of historical spills or releases at the Site; further, no release or contamination-related database listings were identified for the Site in the EDR Report. ERM did not observe any chlorinated solvents used or stored on-Site nor did ERM observe evidence of a past release at the time of the Site visit.
- *Magnetic Coating*: The Site historically conducted coating operations for magnetics that resulted in the emission of volatile organic compounds (VOCs). According to the Site representative, the former magnetic coating operations were conducted under a hood to ensure proper ventilation. The Site

representative noted that the Site has since eliminated this operation approximately five years ago and now purchases the associated magnetic supplies from a supplier as a raw material. All coating operations on-Site are currently conducted using a water-based polyurethane.

The Site representative reported that there are no former industrial-related buildings and/or structures that have been historically demolished at the Subject Property.

3.3.2 Evaluation of Historical Information Sources

To determine past uses of the Subject Property and surrounding properties, ERM reviewed historical sources of information as outlined in the References section of this report (Section 7). Copies of pertinent historical sources are also appended.

Table 3-1: Historical Timeline

Timeframe	Discussion
1890s	■ According to historical topographic maps dated 1894, 1897, and 1898, no structures appear on the Subject Property. An unmarked roadway and train tracks appear south of the Subject Property and small-scale (potentially residential) structures appear to be developed in the surrounding area.
1904	■ According to the historical topographic map dated 1904, minimal changes appear to the Site and surrounding area compared to the 1898 topographic map. The Site remains undeveloped with no apparent structures.
1920s	■ The 1925 historical topographic map was identified as 'unmapped' for the Subject Property and immediate area. According to a historical topographic map dated 1927, no structures appear on the Subject Property. However, two small-scale structures appear to be located west and east of the Subject Property. Additional small-scale structures appear to be further developed in the surrounding area. ■ According to a historical aerial photograph dated 1928, the Subject Property and the surrounding area appears to be developed with orange groves for agricultural purposes. The Subject Property consists of numerous rows of orange trees. Small-scale residential / agricultural buildings appear to be developed in the surrounding area.
1930s – 1940s	■ The 1933 and 1939 historical topographic maps both identified the Subject Property and immediate area as 'unmapped'. ■ According to a historical aerial photograph dated 1938, minimal changes have occurred to the Subject Property and the surrounding area. However, a small residential / agricultural structure appears in the northwest corner of the Subject Property. Orange groves appear to remain developed in the rest of Subject Property and surrounding area. ■ According to a historical aerial photograph dated 1948, minimal changes have occurred to the Subject Property and the surrounding area compared to the 1938 photograph.
1950s	■ According to historical topographic maps dated 1953 and 1954, no structures appear on the Subject Property. However, additional small-scale structures appear to be further developed in the surrounding area. ■ According to a historical aerial photographic dated 1953, the Site and the surrounding area remained developed as an orange grove for agricultural purposes. The Subject Property remains developed with one small-scale residential / agricultural building and orange groves.
1960s	■ According to a historical aerial photograph dated 1964, the Site has been excavated. No structures or development appears on the Subject Property at this time. The surrounding property appears to be developed for commercial and residential properties. ■ According to a historical topographic map dated 1966, minimal changes appear to the Site and surrounding area compared to the 1954 topographic map.
1972	■ According to a historical topographic map dated 1972, minimal changes appear to the Site and surrounding area compared to the 1966 topographic map. However, additional commercial, light-industrial, and/or residential development has taken place in the surrounding area.

Timeframe	Discussion
	■ According to a historical aerial photograph dated 1972, no development has taken place on the Subject Property and minimal changes appear to the Site and surrounding area compared to the 1964 photograph.
1977	■ According to the Los Angeles County Assessors Property Assessment Information System, the Subject Property was originally developed with Building 1 in 1977.
1980s	■ According to a historical topographic map dated 1981, minimal changes appear to the Site and surrounding area compared to the 1972 topographic map. ■ According to a historical aerial photograph dated 1983, the Site appears to be fully developed with Building 1 and Building 2, consistent to current day configuration. ■ According to the EDR Radius Report, the Site address is identified under entity name 'E G M G Almond Inst.' under the Facility and Manifest Data (HAZNET) database in 1982, 1983, and 1984. According to the database listing, the company generated the following unspecified solvent mixture wastes under the EPA ID: CAD980676272 in 1982 and 1984. The company generated the following wastes under the EPA ID: CAD980676272 in 1983: unspecified solvent mixture and halogenated solvents. According to the listing, the halogenated solvents were disposed of via a recycler. ■ According to a historical city directory dated 1985, the Site address is identified under entity name 'Almond Instruments Electronic Development'. ■ According to the EDR Radius Report, the Site address is identified under entity name '1X E G M G Almond Inst.' under the HAZNET database again in 1985 and 1986. According to the database listing, the company generated the following wastes under the EPA ID: CAX000238121 in 1985: halogenated solvents. Additionally, the Site generated the following wastes under the EPA ID: CAX000238121 in 1986: halogenated solvents and laboratory waste chemicals. According to the listing, the halogenated solvents were disposed of via a recycler and the laboratory waste chemicals were disposed of at off-Site landfills. ■ According to a historical aerial photograph dated 1989, minimal changes appear to the Site and surrounding as compared to the 1983 photograph.
Early 1990s	■ According to historical aerial photographs dated 1990 and 1994, minimal changes appear to the Site and surrounding as compared to the 1989 photograph.
1995	■ According to a historical city directory dated 1995, the Site address is identified under entity name 'E G G Power Systems'.
2002	■ According to a historical aerial photograph dated 2002, minimal changes appear to the Site and surrounding as compared to the 1994 photograph
2003	■ According to a historical city directory, dated 2003, the Site address is identified under entity name 'Optoelectronics' and 'Perkin Elmer'.
2005	■ According to the EDR Radius Report, the Site address is identified under entity name 'Perkin Elmer' under the Emissions Inventory Data (EMI) database in 2005 under facility ID:35087. ■ According to a historical aerial photograph dated 2005, minimal changes appear to the Site and surrounding as compared to the 2002 photograph.
2009	■ According to a historical aerial photograph dated 2009, minimal changes appear to the Site and surrounding as compared to the 2005 photograph.
2010	■ According to a historical city directory, dated 2010, the Site address is identified under entity name 'Excelitas Tech Sensors, Inc.'.
2012	■ No buildings are structures are depicted in the 2012 topographic map provided in the EDR report. ■ According to a historical aerial photograph dated 2012, minimal changes appear to the Site and surrounding as compared to the 2009 photograph.
2014	■ According to a historical city directory, dated 2014, the Site address is identified under entity name 'Excelitas Technologies Corporation'.
2016	■ According to a historical aerial photograph dated 2016, minimal changes appear to the Site and surrounding as compared to the 2012 photograph.

Timeframe	Discussion
2017	■ According to the EDR Radius Report, the Site address is identified under entity name 'E G M G Inc.-Optoelectronics' under the HAZNET database in 2017. According to the database listing, the Site generated the following wastes under the EPA ID: CAD981396252 in 2017: off-specification, aged or surplus organics; empty containers less than 30-gallons; and waste oil and mixed oil.
Present	Observations made at the time of ERM's Site inspection are discussed throughout this report.

3.3.3 Discussion of Historical Environmental Issues/ Assessments/ Investigations

ERM reviewed one previous environmental report that included the Site, which presented the following findings and conclusions:

3.3.3.1 Environmental, Health, and Safety Due Diligence Report prepared by ERM for Fried Frank on behalf of AEA Investors, dated 9 October 2017.

- The 2017 due diligence report included various locations located throughout the U.S, including the Site. ERM's assessment included findings based on publically available information, environmental database review, data room document review, and site visits conducted at certain locations (including the Site). ERM reported that the Site operations included historical use and storage of chlorinated solvents, potentially including PCE. ERM noted that no soil and groundwater investigations have been conducted at the Subject Property. However, no known impacts to the Subject Property were identified and there were no historical spills, releases, or regulatory findings indicative of soil or groundwater contamination. ERM concluded that the potential for significant contamination was considered low.

Other pertinent information from the prior environmental reports is discussed in the applicable sections throughout this report.

4. SITE ENVIRONMENTAL OPERATIONS

4.1 Hazardous Material Use and Storage

Hazardous material use at the Site relates primarily to electric mechanical assembly and includes process coating, soldering, cleaning, painting, testing, and machine shop repairs (i.e., cutting fluids, lubricants, etc.). The Site conducts circuit board cleaning operations in which various non-chlorinated solvents (i.e., isopropyl alcohol [IPA] and acetone) are used and stored on-Site. Hazardous materials used and stored on-Site include:

- Non-chlorinated solvents (i.e., IPA and acetone);
- Paints;
- Lubricates/greases;
- Cutting fluids;
- Paints;
- Soldering materials; and
- General cleaning products.

Raw materials are stored in small-scale (i.e., approximately 5-gallons or less) commercial containers located in the northwest corner of Building 1 and throughout the various workstations in both Building 1 and Building 2. Raw materials and electrical components are transferred throughout the Site buildings to accommodate operations on a daily basis.

According to the Site representative, the Site maintains limited amounts of gases, including propane, acetylene, nitrogen, and refrigerant gases. The refrigerant gases are used for the approximately 10 environmental chambers located in Building 1. According to the Site representative, the environmental chambers historically used R-13 refrigerant. However, the Site is in the process of upgrading the chambers to use a new refrigerant (R508). At the time of the Site visit, approximately five of the ten environmental chambers had been upgraded. The Site representative reported the each of the environmental chambers holds approximately 20-30 pounds of refrigerant at one time.

Hazardous materials are stored in various locations throughout both Building 1 and Building 2. The Site maintains two adjoining hazardous material/waste storage sheds are located immediately south of Building 1. The two secured sheds are roofed and consist of bermed concrete flooring with an epoxy coating to ensure secondary containment for hazardous materials/wastes stored inside. Various hazardous materials and hazardous wastes are stored within the secured sheds prior to use and/or disposal. Additional hazardous material are stored within various flammable storage containers located throughout Building 1 and Building 2. Small quantities of acetone, IPA, and other hazardous materials are stored in small-scale containers on workbenches for daily/regular use.

According to the Site representative, Excelitas maintains Safety Data Sheets (SDSs) for the materials in use at the Site are maintained in an online system available to all employees.

4.1.1 Underground Storage Tanks (USTs)

According to Site representatives, no USTs are currently located on the Subject Property, and no visual indication of the potential presence of USTs was noted by ERM during the Site visit.

The Site maintains one underground water clarification system that consists of three underground chambers associated with the three stages of clarification. The water clarification system received incoming process wastewater from the two aqueous cleaning machines and the cooling towers (i.e.,

overflow water and discharge water during annual cleaning) . After the process wastewater has gone through the three-stage clarification process, it is discharged to the municipal sewage system. The water clarification system is located west of Building 1 within a concrete pad. Three capped manholes allow access to the chambers.

ERM was unable to observe the interior chambers of the system. However, no exterior staining or indication of cracks appeared from the outside surface. According to the Site representative, the underground water clarification system is inspected once per year during a random inspection by the City of Covina. During the annual inspection, the City of Covina conducts pH tests of the process wastewater after it is processed through the water clarification stages. Additionally, visual integrity tests are conducted at the time of the annual city inspection. ERM has not been provided with and/or reviewed any documented inspection records regarding the annual inspections; however, the Site representative was not aware of any integrity issues.

No additional USTs were observed on the Subject Property at the time of the Site inspection. No historical USTs were identified at the Site.

4.1.2 Aboveground Storage Tanks (ASTs)

The Site operates one approximately 300-gallon liquid nitrogen AST located on the western side of Building 1. The AST is located within the paved asphalt parking area on a concrete pad secured by a locked fence/gate. No secondary containment is located around the AST. No major staining, cracks, or other evidence of potential subsurface release was observed in or around the AST coat the time of ERM's Site inspection.

Two small-scale resin beds (tanks) are located west of Building 1. The two resin beds are used to deionize the meniscal water for the aqueous cleaning operations.

No other ASTs were observed on the Subject Property at the time of the Site inspection. No historical ASTs were identified at the Site.

4.2 Waste Management

4.2.1 Hazardous Waste

According to Site representative and the EDR Radius Report, Excelitas is registered as a small quantity generator (SQG) of hazardous waste with an EPA identification number of CAD981396252. Hazardous wastes generated include:

- Lead solder;
- Waste paint (limited quantity);
- Waste solvents (i.e., isopropanol alcohol and acetone);
- Chemical wipes (i.e., rags with coating operation residue);
- Lead trimming (electronic work station);
- Wire clippings; and
- Tin lead.

The main hazardous waste storage area is located immediately south of Building 2 within two secure hazardous material/waste storage sheds. The two sheds are roofed and bermed with an epoxy coated concrete flooring. The hazardous wastes are removed off-Site on a monthly or semi-monthly basis by a licensed hazardous waste hauler (World Wide Enterprises or Clean Harbors). Additionally, ERM observed

various satellite hazardous waste storage containers located throughout the main production/assembly areas of the Subject Property. According to the Site representative, small-scale amounts of hazardous waste are accumulated during daily operations/processes and is disposed of in small, specially marked, hazardous waste containers, and transferred to the hazardous material/waste storage sheds on a daily basis by employees. All hazardous waste is stored in one 55-gallon drum.

ERM did not identify evidence of spills or releases in areas where hazardous wastes are being generated and/or stored. However, ERM observed minor staining located on the epoxy coated concrete floors of the hazardous material/waste storage sheds. Given the hazardous material/waste storage sheds are bermed with epoxy coated concrete floors with no significant cracks and there were straining on the paved asphalt parking lot surrounding the hazardous material/waste storage sheds, the minor staining is identified as a de Minimis condition.

Additionally, according to the EDR, the Site address was identified as a historical small quantity generator of hazardous waste under entity name 'Excelitas Technologies Corp.' (reporting years 2001, 2011, and 2013). The Site address was identified as a historical large quantity generator of hazardous waste under entity names 'Perkin Elmer' (reporting year: 2001), 'EG&G Power System Almond Operations' (reporting year: 1994), 'EG&G Power Systems' (reporting year: 1992), and 'EG&G Almond Instruments' (reporting year: 1991). Based on the EDR Radius Report, the Site is associated with the following hazardous wastes:

- Unspecified aqueous solution
- Off-specification, aged, or surplus inorganics
- Metal sludge
- Unspecified solvent mixture
- Unspecified organic liquid mixture
- Empty containers less than 30 gallons
- Ignitable waste
- Arsenic
- Chromium
- Mercury
- Methyl ethyl ketone
- Spent non-halogenated solvents
- Other inorganic solid waste
- Oxygenated solvents (acetone, butanol, etc.)
- Hydrocarbon solvents (benzene, hexane, etc.)
- Waste oil and mixed oil
- Other organic solids
- Laboratory waste chemicals
- Corrosive waste
- Cadmium
- Lead
- Silver
- Spent halogenated solvents

Excelitas was identified on the California EPA (CalEPA) Regulated Site Portal Data (CERS) Hazardous Waste (Haz Waste) database under Site ID: 29045 and associated CER ID: 10266505 'Hazardous Waste Generator' and 'Hazardous Waste Facility'. The Site representative was not aware of any recent agency inspections related to waste management or any outstanding violations with such agencies. No records of outstanding violations were identified during ERM's review of agency information and online databases.

Universal waste consisting of spent fluorescent light bulbs, batteries and other electrical equipment are generated at the Site. All universal waste is stored in a designated area on-Site until disposed over by a contracted waste removal company.

4.2.2 Non-Hazardous Waste

Non-hazardous wastes generated at the Subject Property include general refuse, paper and cardboard waste, and plastic packaging materials. Miscellaneous solid waste is placed into an on-Site dumpster located along the eastern side of Building 1 (south of Building 2). The container is transported on an as-needed basis by a contracted waste hauler, 'Athens', to a local landfill for disposal.

According to the Site representative, metal is accumulated on-Site and is recycled on an as-needed basis. No staining of soils or pavement was noted in the solid waste storage areas. ERM did not observe evidence of solid waste disposal on the Subject Property.

4.3 Water Supply, Wastewater and Storm Water

4.3.1 Water Supply

The Site obtains water for process and sanitary use from the City of Covina Department of Public Works. Water is used by the Site for process, potable, and sanitary purposes. No water wells were indicated on the Subject Property in the well log obtained by EDR, and no wells were observed on the Subject Property by ERM during the Site visit.

4.3.2 Wastewater

The Site generates process and sanitary wastewaters that are discharged to the City of Covina municipal sewer system. According to the Site representative, the Site discharges wastewater from the two wash aqueous cleaning machines, cooling tower overflow and discharge, and then to the sanitary sewer system.

All wastewater discharge from the two aqueous cleaning machines and cooling towers are first processed through the on-Site water clarification system described in Section 4.2.1 prior to being discharged to the municipal system.

The Target is identified on the EDR Radius Report on the NPDES and California Integrated Water Quality System (CIWQS) databases as an active facility (NPDES Number: CAS000001) with an industrial wastewater permit.

According to Site representative, the Site has been connected to the municipal sewer system since the original construction in 1977. The Site representative was unaware of any former septic systems and/or associated tanks located on the Subject Property, and ERM did not observe evidence of such.

4.3.3 Storm Water

Precipitation that falls on the Subject Property drains via sheet/overland flow to a manmade storm water ditch located in the southwestern corner of the Subject Property and is ultimately discharged off-Site to the a nearby creek. A storm water catch basin was observed south of Building 2 within the Site's loading dock. The Site representative reported that the catch basin, is pumped out on an as-needed basis and discharged to the Site's storm water drainage ditch. According to the Site representative, no testing is conducted on the storm water pumped from the catch basin prior to being discharged to the drainage ditch. However, a visual inspection is conduct.

No staining, sheens or other evidence of impact to storm water pathways was observed by ERM at the time of the Site inspection.

4.4 Air Emissions

4.4.1 Air Emissions Sources

Air emissions sources at the Site include the soldering, painting, and cleaning operations. The Site maintains three air emission permits. The Site maintains one spray booth located in Building 1. The spray booth is used during small-scale painting repairs and during cleaning operations. The Site currently uses water-based paints and non-chlorinated cleaning solvents. ERM did not observe additional air emissions at the Site that are likely to impact the Site.

4.5 Polychlorinated Biphenyls (PCBs)

ERM inspected the Subject Property for types of equipment that have been historically associated with the use of PCBs as a dielectric fluid coolant and stabilizer. Some examples of the types of equipment that potentially contain PCBs or PCB-contaminated oil include electrical equipment such as transformers, capacitors, and high voltage liquid filled switches.

ERM identified one utility owned, oil-filled, pad-mounted electrical transformer located south of Building 2. The transformer is the property of the outside electricity supplier, SoCal Edison. The transformer was not labeled as to PCB content. Given that the oldest portion of the building was constructed in 1977, there is a potential that light ballasts, transformer, and hydraulic elevator oil may contain PCBs.

4.6 Asbestos-containing Materials (ACMs)

Asbestos was banned in most friable building materials (spray-applied surfacing materials and thermal system insulation) in 1978, but the Occupational Safety and Health Administration (OSHA) deems spray applied surfacing materials, thermal system insulation materials, and vinyl flooring materials as “presumed asbestos-containing materials” (PACMs) if they are present in pre-1981 buildings (29 CFR, Parts 1910.1001 and 1926.1101).

Historical records indicate that the Site building was constructed beginning in 1977. As a result, ACMs may be present at the Site.

An Asbestos Inspection Report, dated 5 February 2004, was conducted by Encorp at the Subject Property. The report indicated that random ACM testing was conducted through the Subject Property. The following building components were identified as ‘suspect’ materials: vinyl flooring and roofing.

According to the Asbestos Abatement Report, dated 10 April 2010, Dynamic Environmental Services, Inc. (“DES”) conducted an ACM abatement at the Subject Property. The ACM was removed from the men’s and women’s restrooms from both Building 1 and Building 2. According to the report, seven air samples were collected for final clearance purposes. All air sample results were below the EPA recommended maximum of 0.01 fiber per cubic centimeter (f/cc) for clearance of ACM.

The Site representative reported that he was unaware of any additional ACM located on the Subject Property, although the Site representative was not aware of any additionally asbestos survey having been completed in the building.

5. SURROUNDING PROPERTIES

5.1 Summary

The Site is located within a heavily developed area consisting of light-industrial, commercial, and residential buildings located within the immediate area. Train tracks are locate immediately south of the Subject Property which are operated by the Metrolink (regional passenger rail system). Charter Oak High School is located north-northeast of the Subject Property along the northern side of East Cypress Street. The Site and surrounding area was developed for agricultural and residential purposes from at least 1928 before commercial, light-industrial, and residential development began in the between the 1950s and 1960s. Commercial, light-industrial, and residential development gradually continued through the 1960s and 1970s to the present.

5.2 Current Surrounding Properties

The adjoining properties and nearby land use, as observed by ERM at the time of the Site inspection, is as follows:

Table 5-1: Current Surrounding Properties

Direction	Discussion
North	East Cypress Street is located immediately north of the Subject Property, beyond which has been developed for commercial and residential purposes. The Charter Oak High School and associated sports/activity fields are located approximately 300 feet north-northeast of the Subject Property. The following western adjacent entities/addresses were identified on the EDR Radius Report: ■ *Charter* Oak High School is identified on the EDR Radius Report under the following databases: RCRA Non-Generator / No Longer Registered (NonGen / NLR); CERS Haz Waste; CIWQS; and CERS databases. According to the database listings, the high school formerly fgenerated hazardous waste (unknown quantities) in 1988. Additionally, the property was identified on the CIWQS database for historical construction/reconstruction permits that have since been terminated. No additional properties located immediately north of the Subjects Property were identified in the EDR Radius Report databases. Given the commercial and residential nature of the northern adjacent properties, and the historical nature of the above-mentioned Chart Oak High School listings, the properties north of the Subject Property are not expected to present a potential impact concern to the Subject Property.
West	Multi-tenant commercial properties are located immediately west of the Subject Property, including: Dominos Pizzeria; a convenient store/market; cleaners; and an auto repair shop. Beyond these is North Glendora Avenue. The following western adjacent entities/addresses were identified in the EDR Radius Report: ■ 856 North Glendora Avenue, immediately west of the Subject Property and situated at a lower elevation, is listed in the EDR Radius Report on the Historical Underground Storage Tank (HIST UST), State Wide Environmental Evaluation and Planning System (SWEEPS) UST and Historical Auto Station, databases (amongst others) under various entity names, including *Station #5012, Glendora Cypress 76, Union Oil Service Station #5012, and UNOCAL Corp SS 2012.* The UST listings indicate that three USTs (containing gasoline and waste oil) were formerly operated at the property. No additional information and/or closure documentation was provided regarding the former USTs. The Historical Auto Station listing indicates

	various service station and auto repair activities on the property dating back to the 1980s. ■ *Speedy Cleaners*, a dry cleaner, located at 830 North Glendora Avenue, immediately west of the Subject Property and situated at a lower elevation. The western adjacent property is identified on the EDR Radius Report on the EDR Historical Cleaner (EDR Hist Cleaner) database. According to the database listing, the property was identified as a 'Garment Pressing and Cleaners' Agents' from 1985 through 1988 and as a 'Laundry and Drycleaner Agents' from 1989 through 2014. No additional information regarding the former dry cleaner. Although none of the immediately adjacent properties were identified on databases indicative of soil or groundwater contamination, the potential for impact concern to the Subject Property and surrounding area may be present due to the current and past use of the western adjacent area (i.e., gas station, auto repair, dry cleaners, etc.)
East	Multi-tenant commercial properties are located immediately easy of the Subject Property, including: a commercial audio store; a flooring store; and an animal hospital. A Metrolink (regional passenger rail system) train track, immediately south of the Subject Property, extends northeast and is located beyond the multi-tenant commercial properties. Additionally, various residential properties are located further east of the Subject Property. The following eastern adjacent entities/addresses were identified on the EDR Radius Report: ■ *LA CO FD Station #153*, a fire department located at 1577 East Cypress Street, approximately 0.36 miles east-northeast of the Subject Property, is identified in the EDR Radius Report under the following databases: CERS Haz Waste; HAZNET; and CERS. According to the EDR report, the property is identified as a hazardous waste generator under Site ID: 42518 and associated CERS ID: 10504549. Hazardous wastes generated include waste oil and mixed oil. Additionally, the property is identified as a chemical storage facility under the same Site ID and CERS ID reported above. No additional information is provided. No additional properties located immediately east of the Subjects Property were identified on the EDR Radius Report databases to date. Given the commercial and residential nature of the eastern adjacent properties, and the nature of the EDR listings of the above-mentioned LA CO FD Station #153, the properties east of the Subject Property are not expected to present a potential impact concern to the Subject Property.
South	A Metrolink (regional passenger rail system) train track is immediately south of the Subject Property, beyond which are various residential properties. The closest residential property is located approximately 80-feet south of the Subject Property. No properties located immediately south of the Subjects Property were identified on the EDR Radius Report databases to date. Given the residential nature of the southern adjacent properties and the lack of environmental regulator listings, the properties south of the Subject Property are not expected to present a potential impact concern to the Subject Property.

5.3 Surrounding Properties Historical Summary

In addition to the abovementioned facilities, the EDR Radius Report identified various properties and associated database listing within a one-mile radius of the Subject Property. Database listings of properties within a one-mile radius included, but are not limited to the following: RCRA NonGen/NLR; FINDS/ECHO; RCRA Small Quantity Generator (SQG); RCRA Large Quantity Generator (LQG); HMS; etc. Given the current regulatory status', distance from the Subject Property, assumed hydraulic gradient,

and/or the nature of the database listings, these additional database listings do not appear to pose a significant environmental concern to the Subject Property.

5.4 Adjoining Property Agency Review

ERM did not conduct local agency file review for the adjoining properties listed on the regulatory database report given the non-release nature of the listings.

6. CONCLUSION

ERM has performed a *Phase I Environmental Site Assessment* in conformance with the scope and limitations of ASTM Practice E1527 of the Site (as defined in Section 1 of this report). Exceptions to, or deletions from, this practice are described in Section 1.3.4 of this report. This Phase I Environmental Site Assessment has revealed no evidence of recognized environmental conditions in connection with the property except for the following:

Summary of Identified Issues
ASTM E1527-13 Findings:
Recognized Environmental Conditions (RECs)[2]
None Identified.
Controlled Recognized Environmental Conditions (CREC)[2]
None Identified.
Historical Recognized Environmental Conditions (HRECs)[2]
None Identified.
De-Minimis Conditions[2]
Minor Staining: ERM observed minor staining located on the epoxy coated concrete floors of the hazardous material/waste storage sheds. Given the hazardous material/waste storage sheds are bermed with epoxy coated concrete floors with no significant cracks and there were straining on the paved asphalt parking lot surrounding the hazardous material/waste storage sheds, the minor staining is identified as a de Minimis condition.
Non-ASTM E1527-13 Issues:
Other Potential Issues
Historical Chlorinated Solvent Use: The Site historically operated three degreasing machines within Building 1, all of which were used for circuit board cleaning activities. The historical degreasing operations used chlorinated solvents. Limited information regarding the historical use of chlorinated solvents was available to ERM. The historical degreasing operations may have included the following chlorinated solvents: tetrachloroethylene or perchloroethylene (PCE); methylene chloride; trichloroethylene (TCE); and 1,1,1-Trichloroethane (TCA). According to the Site representative, the degreasing operations began in the late 1970s and continued through the 1990s Historical storage of all chlorinated solvents is assumed to have been in the current day hazardous material/waste storage sheds. The Site representative reported the quantity of historic chlorinated solvents was below 55-gallons. Although there is limited information regarding the past use and storage of chlorinated solvents, there are no environmental database listings indicative of a historical release and/or soil and groundwater contamination associated with the historical cleaning/chlorinated solvent operations.
Lead Soldering Operations: Soldering operations conducted at the Site involve the use of lead solder. Although the majority of current fumes/exhaust from the soldering operations are controlled and vented through roof stacks, ERM notes the potential for lead dust to have accumulated over time on interior and roof building surfaces.
Hazardous Building Materials: Building 1 was constructed in 1977 and Building 2 was constructed by the early 1980s. Therefore, there is a potential for polychlorinated biphenyls (PCBs) and asbestos-containing materials (ACMs) to be present at the Site. Documentation provided to ERM indicates that limited asbestos sampling and abatement activities were conducted between 2004 and 2010. However, given the limited nature of the survey, the potential for additional ACMs cannot be ruled out. ERM identified one oil-filled, pad-mounted electrical transformer south of Building 2, which was not labelled as to PCB content. Additional potential sources of PCBs at the Site

[2] Key ASTM definitions, including REC, CREC, HREC and de-minimis condition, are provided in Section 8.

include light ballasts and the hydraulic oil reservoir for the elevator in Building 2. The Site representative was not aware of any known PCBs at the Subject Property. Additionally surveys would need to be conducted to evaluate the potential for current ACMs and/or PCBs at the Subject Property.

Potential Impacts from Surrounding Properties: Operations on western adjacent properties currently and historically have included automotive repair and dry cleaning activities. The automotive repair property was also historically used as a gasoline service station. While neither of the western adjoining properties was identified on release or contamination-related databases, given the nature and length of these operations (dating back to the 1980s), the potential for adverse environmental impacts to the Site cannot be ruled out.

7. REFERENCES

The following sources were used in conducting the Phase I ESA detailed in this report. Where information obtained from these sources was determined to be useful by the Environmental Professional, it is summarized in the body of this report. Copies of prior environmental reports and other pertinent documents are appended.

Table 7-1: Regulatory Agency Review

Agency/Company	Person Contacted	Telephone	Regarding
Mr. Mike Garcia, Excelitas Technologies Corporation Production Manager	Not Applicable (N/A)	626-593-6678	General Site information and previous environmental reports.
Los Angeles County Fire Department, Health Hazardous Materials Division	Public Records Request Form – On-line	N/A	Permits, notices of violation, and general Site information.
Los Angeles County Assessor's Office	N/A	N/A	Online Interactive GIS Web Mapping Apps (http://planning.lacounty.gov/gis/interactive)
City of Covina Building Department 125 East College Street, Covina, California, 91723	Building Department Representative	N/A	Historical building permits, sewer permits, certificates of occupancy, and demolition permits.
Environmental Data Resources, Inc. 6 Armstrong Road, 4th Floor Shelton, CT 06484	NA	800-241-6476	Environmental Database Search Report, topographic maps, aerial photographs, city directories, fire insurance maps.
Internet resources	NA	NA	Site database searches (www.rtk.net, http://www.epa.gov/echo/; www.osha.gov.

Table 7-2: Summary of Historical Sources Reviewed

Agency/Source of Information	Data Provided	Years Reviewed (if applicable)	
		Subject Property	Surrounding Properties
Mr. Mike Garcia, Excelitas Technologies Corporation Production Manager	General Information	1980s to Present Day	Not Applicable (N/A)
Interview(s) with past owners/occupants	N/A	N/A	N/A

Interview(s) with owner/occupants of neighboring and nearby properties (in cases of abandoned Subject Property)	N/A	N/A	N/A
Covina Building Department	Building Permits, Inspection and Planning Record File.	1970s to Present Day	N/A
EDR	USGS Topographic Maps	1894; 1897; 1898; 1904; 1925; 1927; 1933; 1939; 1953; 1954; 1966; 1972; 1981; and 2012	1894; 1897; 1898; 1904; 1925; 1927; 1933; 1939; 1953; 1954; 1966; 1972; 1981; and 2012
EDR	Sanborn Fire Insurance Maps	Not Available	Not Available
EDR	City Directories	1985, 1995, 2003, 2006, 2010, 2013, 2014, and 2015	1985, 1995, 2003, 2006, 2010, 2013, 2014, and 2015
EDR, USDA Natural Resource Conservation Service, BigCounty Supervisor of Assessments, BigCounty GIS Department and internet resources	Aerial Photographs	1928, 1938, 1948, 1953, 1964, 1972, 1977, 1983, 1989, 1990, 1994, 2002, 2005, 2009, 2012, and 2016	1928, 1938, 1948, 1953, 1964, 1972, 1977, 1983, 1989, 1990, 1994, 2002, 2005, 2009, 2012, and 2016

Table 7-3: Other Documentation Reviewed

Date	Source
Not Applicable (NA)	Manufacturing Flow Chart
NA	Site Layout
5 February 2004	Asbestos Inspection Report
15 January 2008	Certificate of Registration of Occupational Health and Safety Management System to BS OSHA 18001:2007.
10 April 2010	Asbestos Abatement Report
October 2017	Extract from ERM Environmental Phase I Assessment Master Report
2018	Covina Organization Chart – 2018
22 March 2018	Environmental, Occupation Safety, and Health Policy
2018 – 2019	Los Angeles County Annual Unified Program Facility Permit
12 July 2018	Emergency Preparedness and Response Plan
1 January 2019	City of Covina Business License
2016 – Current Day	Maintenance Spend Years

8. LIMITATIONS AND OTHER CONSIDERATIONS

8.1 General Limitations

There are a number of exclusions and limitations associated with this assessment. These are briefly outlined below:

- This report has been prepared by ERM exclusively for Client and may not be relied upon by any other recipient, person or entity (together, henceforth, "Other Recipient") without ERM's express, written permission. ERM makes no warranties or representations to any Other Recipient and has no obligation to advise any Other Recipient regarding changes to this report or changes in applicable laws and regulations subsequent to the date of this report. In receiving this report, any Other Recipient agrees that (a) it will make no claim against ERM that relates in any way to this report, or the Other Recipient's access to this report, and (b) to the fullest extent permitted by applicable law, Other Recipient hereby releases ERM from, and will defend and hold harmless ERM from and against, any claim, action, suit, damage, loss, award, liability, expense, cost, or fees including attorneys' fees arising from or relating to any use or disclosure of the report or any portion thereof by Other Recipient or any third party to whom Other Recipient discloses the Report. Notwithstanding the foregoing, if requested, ERM will issue reliance letters allowing lenders or other interested parties to rely on the contents of this report, in accordance with ERM's terms and conditions, for financing or other purposes.
- ERM is an environmental consulting firm, and as such we make no representations regarding questions of legal or accounting interpretation. Consultation with an attorney and/or certified accountant should be made with respect to any legal or accounting matters, or items that require such interpretation, under any law, regulation or contract.
- ERM did not independently verify information on publicly available databases. Therefore our findings are accurate and complete only to the extent that information provided to ERM was itself accurate and complete.
- The conclusions presented in this report represent ERM's professional judgment based on the information made available to us during the course of this assessment and are true and correct to the best of ERM's knowledge as of the date of this report.
- No sampling or testing of soils, waters or other materials was included as part of this assessment. However, reference may have been made to previous testing and sampling, as appropriate.
- Unless otherwise stated within this report, ERM has assumed that the Site will continue to be used for current purposes. ERM's assessment does not include provision for Site closure or change in land use, unless expressly stated above.
- State-specific regulations related to property transfer (or ownership changes) may apply to the proposed transaction. Costs related to compliance with these State requirements were not included in ERM's Assessment.
- Unless otherwise stated, ERM assumes the User (as defined in E1527-13 – see Section 8.4) is the Client.

8.2 ASTM Limitations

The innocent landowner, contiguous owner, and prospective purchaser defenses to liability under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) require that a person acquiring property conduct an all appropriate inquiry with respect to the Site. ERM has conducted this environmental assessment in accordance with the standards for conducting an all appropriate inquiry

set forth at 40 CFR. 312. Those standards require the application of scientific principles and professional judgment to certain facts with resultant subjective interpretations and exercise of discretion. Professional judgments expressed herein are based on the facts currently available within the limits of the existing data, and data gaps identified herein, scope of work, budget, and schedule. Those standards also require that the User undertake certain additional inquiries. In addition, the liability defenses under CERCLA require, among several other things, that the User after the acquisition stop any continuing releases, prevent any future threatened releases and prevent or limit human, environmental or natural resource exposure to any hazardous substance released at the Site. Therefore, ERM makes no warranties, expressed or implied, including, without limitation, warranties as to merchantability or fitness for a particular purpose, including any warranty that this Phase I assessment will in fact qualify User for the innocent landowner, contiguous property owner or prospective purchaser defense to liability under CERCLA. ERM's assessment is limited strictly to identifying recognized environmental conditions associated with the Site. Results of this assessment are based upon the visual Site inspection of readily accessible areas of the Site conducted by ERM personnel, information from interviews with knowledgeable persons regarding the Site, information reviewed regarding historical uses, information provided by contacted regulatory agencies, and review of publicly available and practically reviewable information identifying current and historical uses of the property and surrounding properties. All conclusions and recommendations regarding the Site represent the professional opinions of the ERM personnel involved with the project, and the results of this report should not be considered a legal interpretation of existing environmental regulations. ERM assumes no responsibility or liability for errors in the public data utilized, statements from sources outside of ERM, or developments resulting from situations outside the scope of this project. We make no warranties, expressed or implied, including, without limitation, warranties as to merchantability or fitness for a particular purpose.

8.3 Other Considerations

8.3.1 Environmental Database Search

ERM contracted EDR to conduct a database search for agency records. The appended database report defines and summarizes the ASTM databases reviewed in the EDR report and notes if any listed facilities (including the Subject Property) were identified in the specified radius. The locations of the listed facilities identified in the EDR report were evaluated to determine which listed facilities were located within the ASTM specified search distance from the Subject Property boundary. Only those listed facilities worthy of further discussion are discussed within the applicable sections of this report and data on additional listed facilities is included in the appended EDR database report.

It should be noted that the computerized geocoding technology used in the database search is based on available census data and is only accurate to ±300 feet. The EDR report provides a list of unmapped facilities for which inadequate location information was provided. ERM has reviewed the list of "unmapped" listed facilities to determine if these listed facilities are within the study radius. If the "unmapped" listed facilities appeared likely to be within the search radius for a specific database, they are discussed in the applicable sections of this report.

Listed facilities identified within the study radii were evaluated to determine if they are likely to have adversely impacted the Subject Property. The criteria used to evaluate the potential for adverse impact to the Subject Property include:

- Distance from the Subject Property;
- Expected depth and direction of groundwater and surface water flow;
- Geology and physical ground conditions;

- Expected storm water flow direction;
- The presence/absence of documented contaminant releases at the identified sites that have not been remedied to the satisfaction of regulators; and
- The current regulatory status of the listing.

The identification of a listed facility as potentially upgradient or downgradient is based on the expected direction of groundwater flow referenced in Section 2.3.

8.3.2 User Provided Information

ERM contacted the User with respect to the following information:

- An evaluation of the presence of Environmental Cleanup Liens for the Subject Property;
- Activity and Use Limitations such as engineering controls (e.g., slurry walls, caps) and land use restrictions or institutional controls (e.g., deed restrictions, covenants) that may be in place for the Subject Property;
- Specialized Knowledge that includes personal knowledge or experience related to the Subject Property or nearby properties based on professional experience or knowledge of the Subject Property;
- Fair Market Value to evaluate whether a purchase price is significantly below Fair Market Value;
- Obvious Indicators that involve past or present spills, stains, releases, cleanups on or near the Subject Property; and
- Common Knowledge about specific chemicals, possible contamination, or past use of the Subject Property and surrounding area.

Relevant information provided by the User is summarized under the appropriate headings of this report, and in the following table:

Table 8-1: User Provided Information

User Request	Response
Environmental cleanup liens	The User is not aware of environmental liens currently recorded against the Site. User did not request that ERM perform an independent evaluation of environmental liens for the Site.
Activity and Use Limitations (AULs) and land use restrictions or institutional controls	The User is not aware of AULs and/or land use restrictions currently recorded against the Site.
Specialized knowledge	User has no specialized knowledge of the Site other than what was provided to ERM as discussed under the relevant sections of the report. User provided ERM access and information obtained from the data room is summarized throughout this report. ERM is not aware of additional specialized knowledge for the Site.
Fair market value	User is not aware of a devaluation of the purchase price or fair market value of the Site in association with environmental conditions at, on or under the Site.
Obvious indicators that involve past or present spills, stains releases or cleanups	User was not aware of any obvious indicators which involve past or present spills, stains releases or cleanups.
Common knowledge about specific chemicals, possible contamination, or past use	Information and documentation, including previous environmental investigations was provided to ERM in the form of access to an electronic data room and is presented throughout this report in the relevant report sections and appendices.

8.4 □ey ASTM Definitions

ASTM E1527-13 prescribes the following definitions:

Recognized Environmental Condition (REC): "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment..."

Controlled REC (CREC): "…a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)…"

Historical REC: "…a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a

recognized environmental condition at the time the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria)..."

De minimis condition: "…a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies..."

Data gap: "…a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to Site reconnaissance (for example, an inability to conduct the Site visit), and interviews (for example, an inability to interview the key Site manager, regulatory officials, etc.)…"

Data failure: "…a failure to achieve the historical research objectives…even after reviewing the standard historical sources … that are reasonably ascertainable and likely to be useful..."

User: "…the party seeking to use Practice E1527 to complete an Environmental Site Assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The user has specific obligations for completing a successful application of this practice..."

9. ENVIRONMENTAL PROFESSIONAL CERTIFICATION

This Phase I Environmental Site Assessment was conducted by Ms. Emily Ross of ERM. Mr. Joseph Ciccotelli and Ms. Clare Lunn reviewed the contents of this report. The professional qualifications for Ms. Emily Ross, Mr. Joseph Ciccotelli, and Ms. Clare Lunn are appended to this report. Ms. Lunn and Mr. Ciccotelli meetsthe definition of Environmental Professional as defined in §312.10 of 40 CFR 312 and have prepared the following declaration and signed in accordance below.

- I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.
- I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

DRAFT

Clare E. Lunn, QEP
Partner-in-Charge (Environmental Professional)

DRAFT

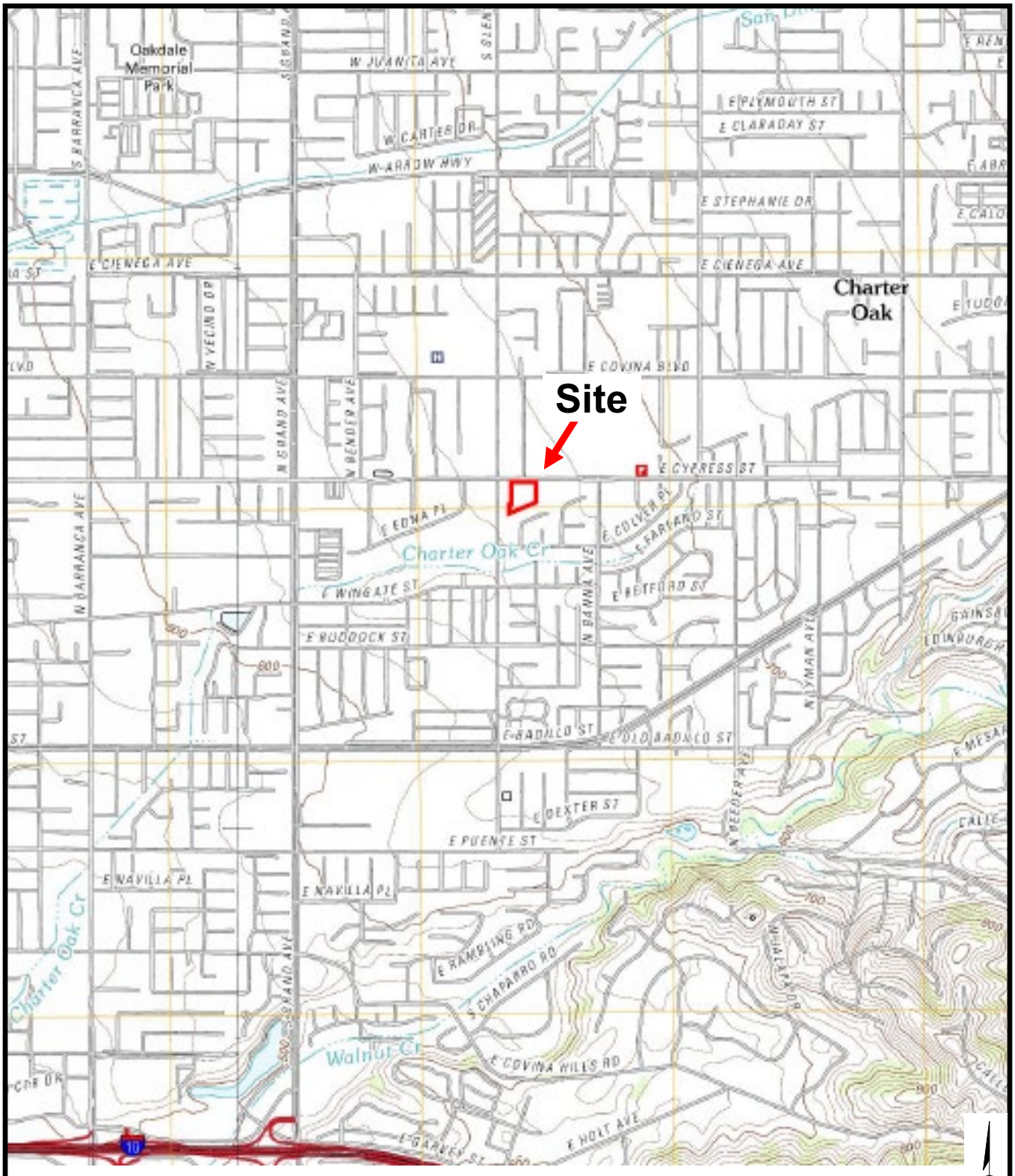
Joe Ciccotelli
Project Manager (Environmental Professional)

DRAFT

Emily Ross
Site Assessor

ERM
One Beacon Street, 5th Floor
Boston, MA 02108

FIGURES



SOURCE: San Dimas, California 7.5 MINUTE TOPOGRAPHIC QUADRANGLE, 2012

SCALE: 1:25,000

ERM	**SITE LOCATION MAP** **Project Reference: Phase I ESA** **1330 East Cypress Street** **Covina, California**	Figure **1**



Source: Google Earth Pro, 2011

ERM

SITE LAYOUT MAP
Excelitas Technologies Corporation
1330 East Cypress Street
Covina, California

Figure **2a**



1. Receiving
2. Receiving/Inspection
3. MRB
4. Stockroom
5. High Power Cell
6. Process Engineering
7. SMT Circuit Cards
8. Conformal Coating
9. Test Engineering
10. Ops Leader
11. Manufacturing Cells
12. Test/ATE
13. ESS Vibration
14. ESS Thermal Cycling
15. Temperature Shock
16. Depot
17. Thru-Hole Circuit Cards
18. Wires/Harness
19. Component Prep
20. Static Hot Room Burn-in
21. Sustaining Engineering
22. Quality
23. Document Control
24. R/I Records
25. Purchasing
26. Phone Room
27. Conference Room
28. Available Office

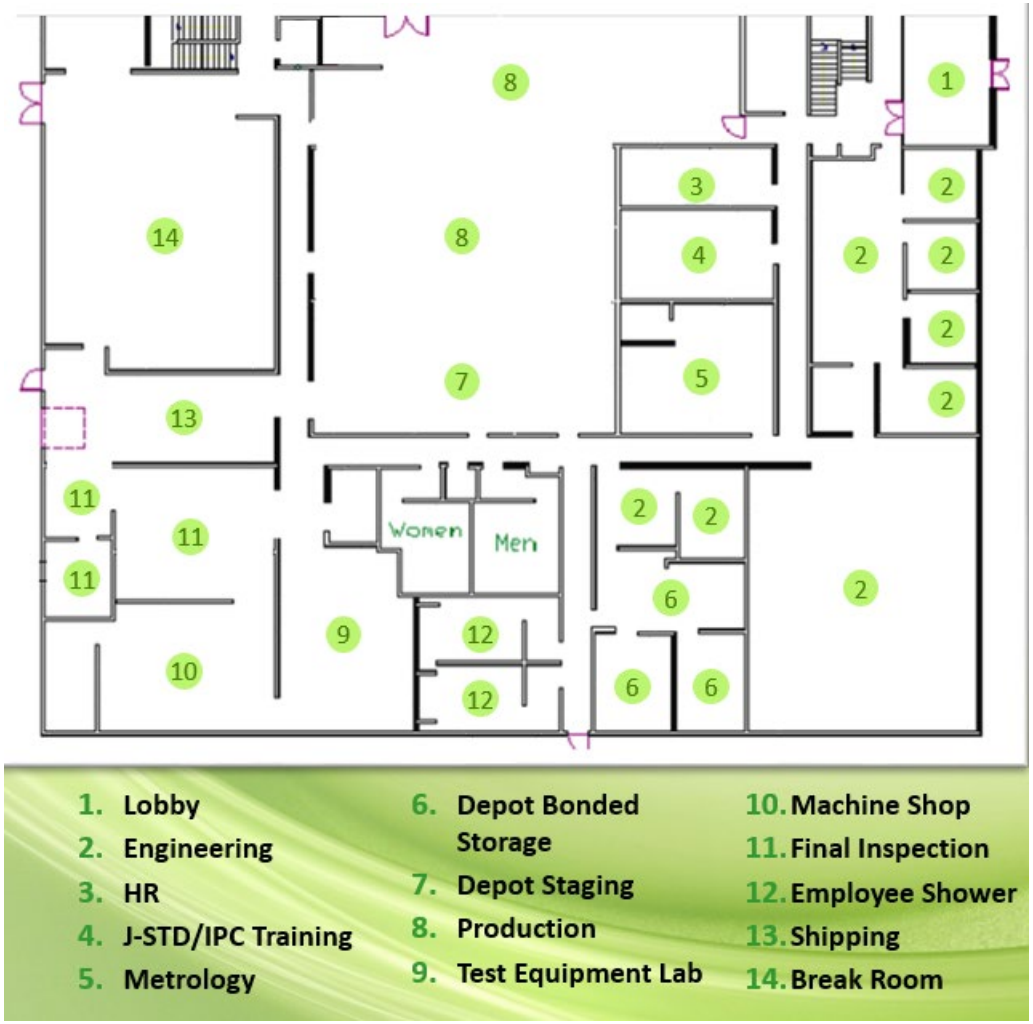
Approximate location of Former Degreasing Operations

Source: Excelitas Management Presentation

ERM

BUILDING 1 LAYOUT MAP
Excelitas Technologies Corporation
1330 East Cypress Street
Covina, California

Figure **2b**



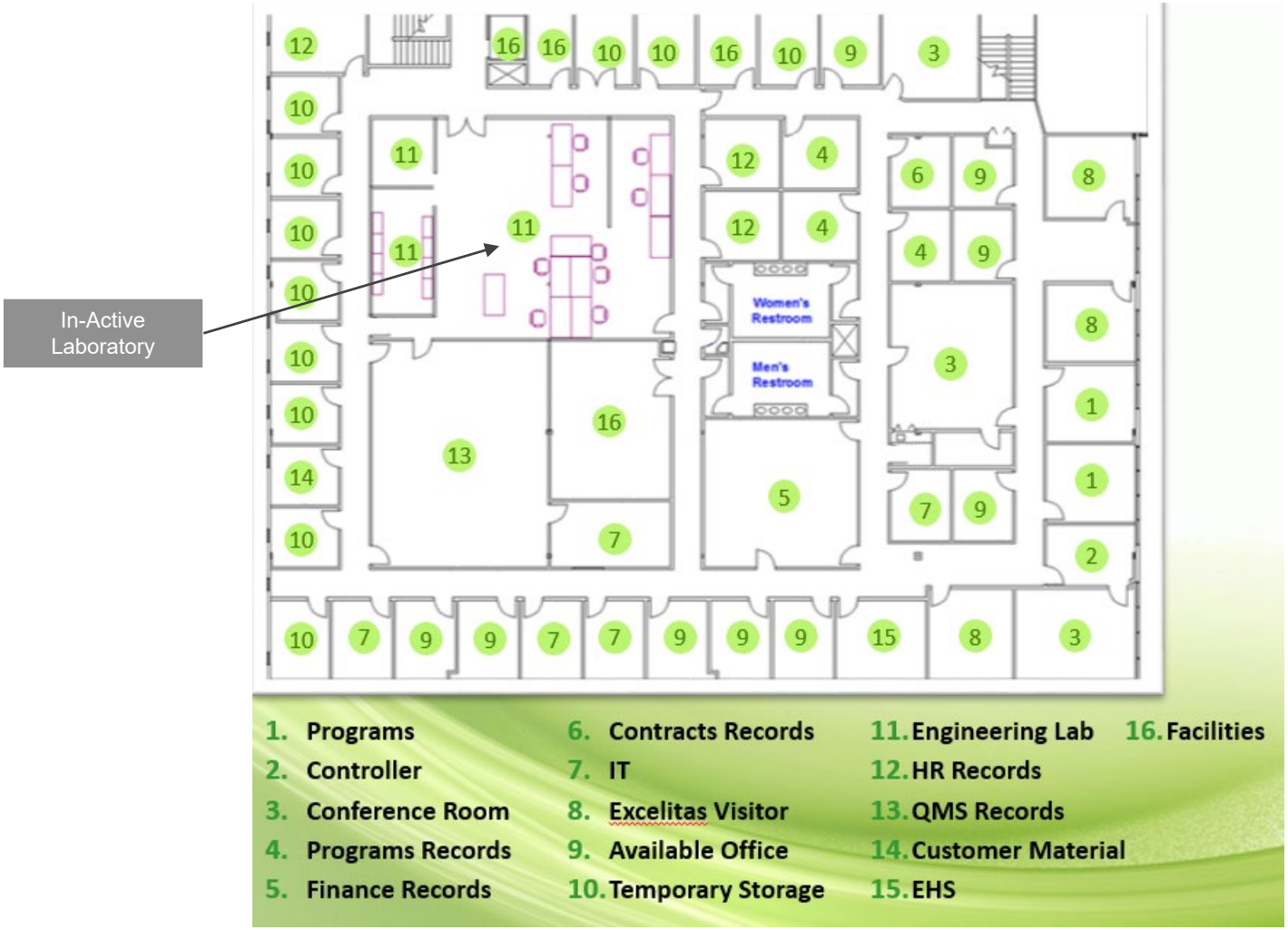
Source: Excelitas Management Presentation

N

ERM

BUILDING 2 (FIRST FLOOR) LAYOUT MAP
Excelitas Technologies Corporation
1330 East Cypress Street
Covina, California

Figure
2c



Source: Excelitas Management Presentation

ERM

BUILDING 2 (SECOND FLOOR) LAYOUT MAP
Excelitas Technologies Corporation
1330 East Cypress Street
Covina, California

Figure
2d



Source: Google Earth Pro, 2011

ERM

SURROUNDING AREA MAP
Excelitas Technologies Corporation
1330 East Cypress Street
Covina, California

Figure **3**

APPENDIX A SITE PHOTOGRAPHS



Photograph: 1.	Main Entrance to the Site (facing south)



Photograph: 2.	Main Incoming Storage Area in Building 1



Photograph: 3.	Stacks in Building 1. Used for cleaning operations.



Photograph: 4.	Satellite Hazardous Waste Containers (Building 1)



Photograph: 5.	Air Vent for Soldering Operations (Building 1)



Photograph: 6.	Flammable Storage Cabinets (Building 1)



Photograph: 7.	Curing Ovens (Building 1)





Photograph: 8.	Hazardous Waste Storage Drum (Building 1)

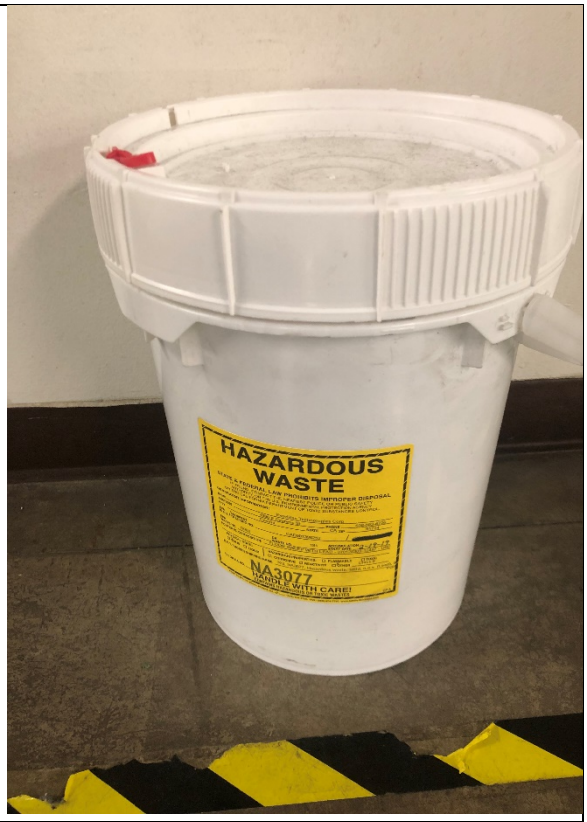


Photograph: 9.	Liquid Nitrogen Aboveground Storage Tank (west of Building 1)



Photograph: 10.	One of the Ten Environmental Chambers located in Building 1





Photograph: 11.	Satellite Hazardous Waste Storage Area (Building 1)





Photograph: 12.	Machine Shop located in Building 2



Photograph: 13. Machine Shop Flammable Storage Cabinet (Building 2)



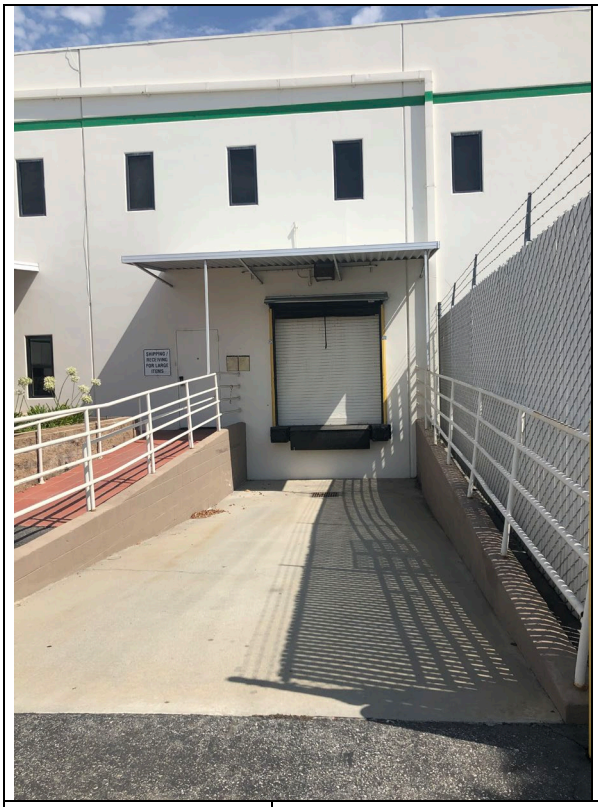
Photograph: 14. Facing North Subject Property Main Entrance.



Photograph: 15.	Eastern Exterior Boundary of Subject Property (facing south)



Photograph: 16.	On-Site Utility Owned Transformer (south of Building 2)





Photograph: 17.	Loading Dock located South of Building 1 and Associated Storm water Catch basin.



Photograph: 18.	Roof Access for Subleased Area (Building 2)





Photograph: 19.	On-Site Non-Hazardous Waste Dumpster (east of Building 1)





Photograph: 20.	Hazardous Material/Waste Storage Shed (south of Building 1)



Photograph: 21.	Two of Three Cooling Towers located South of Building 1



Photograph: 22.	Train tracks located south of Subject Property.



Photograph: 23.	Located of Underground Water Clarification System (west of Building 1)



Photograph: 24.	Storm Water Drainage Ditch located in the southwest corner of the Subject Property.

APPENDIX B HISTORICAL SOURCES

APPENDIX C OTHER PERTINENT DOCUMENTS

APPENDIX D ENVIRONMENTAL REGULATORY DATABASE REPORT

APPENDIX E PROFESSIONAL PROFILES

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Regulatory Database Report

DATABASE REPORT

Project Property:	*PS - Covina, CA* *1330 Cypress Street* *Covina CA 91724*
Project No:	*25021-021079.00*
Report Type:	*Database Report*
Order No:	*21052501639*
Requested by:	*Apex Companies, LLC*
Date Completed:	*May 27, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
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Executive Summary

Property Information:

Project Property:	*PS - Covina, CA* *1330 Cypress Street Covina CA 91724*
Project No:	*25021-021079.00*

Coordinates:

Latitude:	*34.09524033*
Longitude:	*-117.86268619*
UTM Northing:	*3,773,051.97*
UTM Easting:	*420,420.70*
UTM Zone:	*UTM Zone 11S*

Elevation: *670 FT*

Order Information:

Order No:	*21052501639*
Date Requested:	*May 25, 2021*
Requested by:	*Apex Companies, LLC*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (Boundaries)*
City Directory Search	*CD - 2 Street Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Topographic Map	*Topographic Maps*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
DOE FUSRAP	Y	1	0	0	0	0	0	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	**1**	**1**	**1**	**3**	-	**6**
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	**1**	**3**	**2**	-	-	**6**
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	**1**	**9**	**10**	-	-	**20**
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
RESPONSE	Y	1	0	0	0	0	0	0
ENVIROSTOR	Y	1	0	0	**1**	0	**2**	**3**
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
SWRCB SWF	Y	0.5	0	0	0	0	-	0
HWP	Y	1	0	0	0	0	0	0
SWAT	Y	0.5	0	0	0	0	-	0
C&D DEBRIS RECY	Y	0.5	0	0	0	0	-	0
RECYCLING	Y	0.5	0	0	0	0	-	0
PROCESSORS	Y	0.5	0	0	0	0	-	0
CONTAINER RECY	Y	0.5	0	0	0	0	-	0
LDS	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	**1**	0	**1**	-	**2**
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
UST CLOSURE	Y	0.5	0	0	0	0	-	0
HHSS	Y	0.25	0	**2**	0	-	-	**2**
UST SWEEPS	Y	0.25	0	**1**	0	-	-	**1**
AST	Y	0.25	0	0	0	-	-	0
AST SWRCB	Y	0.25	0	0	0	-	-	0
TANK OIL GAS	Y	0.25	0	0	0	-	-	0
DELISTED TNK	Y	0.25	0	0	0	-	-	0
CERS TANK	Y	0.25	0	0	0	-	-	0
DELISTED CTNK	Y	0.25	0	0	0	-	-	0
HIST TANK	Y	0.25	0	**2**	0	-	-	**2**
LUR	Y	0.5	0	0	0	0	-	0
CALSITES	Y	0.5	0	0	0	0	-	0
HLUR	Y	0.5	0	0	0	0	-	0
DEED	Y	0.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
VCP	Y	0.5	0	0	0	0	-	0
CLEANUP SITES	Y	0.5	0	0	0	0	-	0
DELISTED COUNTY	Y	0.25	0	0	0	-	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County								
LA SML	Y	0.5	0	0	0	0	-	0
LA SWF	Y	0.5	0	0	0	0	-	0
LA COUNTY CUPA	Y	0.25	**2**	**12**	**13**	-	-	**27**
LA HMS	Y	0.25	**1**	**9**	**19**	-	-	**29**
UST SANTAFESP	Y	0.25	0	0	0	-	-	0
UST LONGB	Y	0.25	0	0	0	-	-	0
BURBANK CUPA	Y	0.25	0	0	0	-	-	0
UST ELSEGUNDO	Y	0.25	0	0	0	-	-	0
UST SANTA MONICA	Y	0.25	0	0	0	-	-	0
SANTAMON AST	Y	0.25	0	0	0	-	-	0
SANTAMON CUPA	Y	0.25	0	0	0	-	-	0
UST TORRANCE	Y	0.25	0	0	0	-	-	0
UST VERNON	Y	0.25	0	0	0	-	-	0
VERNON CUPA	Y	0.25	0	0	0	-	-	0
UST LA CITY	Y	0.25	0	0	0	-	-	0
AST LA CITY	Y	0.25	0	0	0	-	-	0
LA CITY HAZMAT	Y	0.125	0	0	-	-	-	0
Additional Environmental Records								
Federal								
PFAS NPL	Y	0.5	0	0	0	0	-	0
FINDS/FRS	Y	PO	**2**	**1**	-	-	-	**3**
TRIS	Y	PO	**1**	-	-	-	-	**1**
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
URANIUM	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DRYC GRANT	Y	0.25	0	0	0	-	-	0
PFAS	Y	0.5	0	0	**1**	0	-	**1**
PFAS GW	Y	0.5	0	0	0	0	-	0
HWSS CLEANUP	Y	0.5	0	0	0	0	-	0
DTSC HWF	Y	0.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	0	0	0
SCH	Y	1	0	0	0	0	0	0
CHMIRS	Y	PO	0	-	-	-	-	0
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	**3**	**4**	-	-	-	**7**

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
HIST MANIFEST	Y	PO	**3**	-	-	-	-	**3**
HW TRANSPORT	Y	0.125	0	0	-	-	-	0
WASTE TIRE	Y	PO	0	-	-	-	-	0
MEDICAL WASTE	Y	0.25	0	0	0	-	-	0
HIST CORTESE	Y	0.5	0	0	0	0	-	0
CDO/CAO	Y	0.5	0	0	0	0	-	0
CERS HAZ	Y	0.125	**1**	**4**	-	-	-	**5**
DELISTED HAZ	Y	0.5	0	0	0	**1**	-	**1**
GEOTRACKER	Y	0.125	0	0	-	-	-	0
MINE	Y	1	0	0	0	0	0	0
LIEN	Y	PO	0	-	-	-	-	0
WASTE DISCHG	Y	0.25	0	0	0	-	-	0
EMISSIONS	Y	0.25	**6**	**1**	**5**	-	-	**12**
CDL	Y	0.125	0	0	-	-	-	0
Tribal	***No Tribal additional environmental record sources available for this State.***							
County								
SANTAMON HAZ	Y	0.125	0	0	-	-	-	0
SANTAMON HW	Y	0.125	0	0	-	-	-	0
Total:			**22**	**50**	**52**	**5**	**2**	**131**

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	RCRA TSD	EXCELITAS TECHNOLOGIES CORP	1330 E CYPRESS ST COVINA CA 91724 ***EPA Handler ID:*** *CAD981396252*	NNW	0.00 / 0.00	0	38
1	RCRA SQG	EXCELITAS TECHNOLOGIES CORP	1330 E CYPRESS ST COVINA CA 91724 ***EPA Handler ID:*** *CAD981396252*	NNW	0.00 / 0.00	0	44
1	FINDS/FRS	EG & G POWER SYSTEMS	1330 EAST CYPRESS STREET COVINA CA 91724-2103	NNW	0.00 / 0.00	0	50
1	LA HMS		1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	0	51
1	HAZNET	1X E G M G ALMOND INST	1330 E CYPRESS ST COVINA CA 917240000	NNW	0.00 / 0.00	0	51
1	HAZNET	EXCELITAS TECHNOLOGIES CORP	1330 E CYPRESS ST COVINA CA 917240000	NNW	0.00 / 0.00	0	52
1	HAZNET	EG & G ALMOND INSTRUMENTS	1330 E. CYPRESS ST. COVINA CA 917240000	NNW	0.00 / 0.00	0	86
1	HIST MANIFEST		1330 E CYPRESS ST COVINA CA 917240000	NNW	0.00 / 0.00	0	87
1	HIST MANIFEST		1330 E CYPRESS ST COVINA CA 917240000	NNW	0.00 / 0.00	0	88
1	HIST MANIFEST		1330 E. CYPRESS ST. COVINA CA 917240000	NNW	0.00 / 0.00	0	99
1	EMISSIONS	EG & G POWER SYSTEM	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	0	101
1	EMISSIONS	EG & G POWER SYSTEMS	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	0	102
1	EMISSIONS	E G & G ALMOND INSTRUMENTS	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	0	105

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	EMISSIONS	PERKIN ELMER	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	0	105
1	EMISSIONS	EXCELITAS TECHNOLOGIES SENS30S, INC	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	0	106
1	EMISSIONS	EXCELITAS TECHNOLOGIES CORPORATION	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	0	106
1	LA COUNTY CUPA	EXCELITAS TECHNOLOGIES CORP	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	0	106
1	LA COUNTY CUPA	T-MOBILE WEST (SITE ID#IE04095A)	1330 E CYPRESS TM COVINA CA 91724	NNW	0.00 / 0.00	0	107
1	TRIS	EXCELITAS TECHNOLOGIES CORP-COVINA	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	0	107
1	RCRA NON GEN	TT ELECTRONICS POWER SOLUTIONS INC	1330 E CYPRESS ST COVINA CA 91724 ***EPA Handler ID:*** *CAL000453832*	NNW	0.00 / 0.00	0	147
1	CERS HAZ	TT Electronics	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	0	148
1	FINDS/FRS	TT ELECTRONICS POWER SOLUTIONS INC	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	0	154

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
2	LA COUNTY CUPA	STOP-N-GO #57 NAT'L CONVENIENCE	836 N GLENDORA AVE COVINA CA 91724	W	0.01 / 44.19	-2	155
3	LUST	76 PRODUCTS STATION #5012	856 GLENDORA AVE N COVINA CA 91722	WNW	0.01 / 72.85	-2	155
			Global ID | Status | Status Date: T0603703605 | COMPLETED - CASE CLOSED | 6/18/1991				
3	LA HMS		856 N GLENDORA AVE COVINA CA 91722	WNW	0.01 / 72.85	-2	156
3	LA HMS		856 N GLENDORA AVE COVINA CA 91724	WNW	0.01 / 72.85	-2	157
3	HHSS	UNION OIL SERV STATION 5012	856 NORTH GLENDORA AVENUE COVINA CA 91722	WNW	0.01 / 72.85	-2	157
3	HHSS	STATION 5012	856 NORTH GLENDORA AVE. COVINA CA 91722	WNW	0.01 / 72.85	-2	157
3	HAZNET	COVINA AUTO REPAIR & SERVICE	856 N GLENDORA AVE COVINA CA 91722	WNW	0.01 / 72.85	-2	157
3	HAZNET	GLENDORA-CYPRESS 76	856 N GLENDORA COVINA CA 917240000	WNW	0.01 / 72.85	-2	159
3	HAZNET	UNOCAL SERVICE STATION #5012	856 GLENDORA AVENUE COVINA CA 917220000	WNW	0.01 / 72.85	-2	159
3	HAZNET	CIRCLE K STORES INC STATION #5771	856 N GLENDORA COVINA CA 917220000	WNW	0.01 / 72.85	-2	160
3	FINDS/FRS	76 PRODUCTS STATION #5012	856 GLENDORA AVE N COVINA CA 91722	WNW	0.01 / 72.85	-2	161
3	HIST TANK	STATION #5012	856 NORTH GLENDORA AVE. COVINA CA	WNW	0.01 / 72.85	-2	161

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
3	HIST TANK	UNION OIL SERV. STATION #5012	856 NORTH GLENDORA AVENUE COVINA CA	WNW	0.01 / 72.85	-2	162
3	LA COUNTY CUPA	76 PRODUCTS CO - #5012 GLENDORA	856 N GLENDORA AVE COVINA CA 91724	WNW	0.01 / 72.85	-2	162
3	UST SWEEPS	UNOCAL CORP SS 5012	856 N GLENDORA AVE COVINA CA ***C C*	*Status:*** A19-000-10313 | ACTIVE ***Tank ID:*** 000001, 000003, 000002	WNW	0.01 / 72.85	-2	162
4	LA COUNTY CUPA	CYPRESS AVE ANIMAL HOSPITAL	1400 E CYPRESS ST COVINA CA 91724	ENE	0.03 / 175.25	6	163
5	RCRA NON GEN	MARY CAGE	1400 E. CYPRESS ST COVINA CA 91724 ***EPA Handler ID:*** CAC003092298	ENE	0.03 / 179.03	6	163
6	LA HMS		827 N GLENDORA AVE COVINA CA 91724	WSW	0.04 / 186.22	-5	164
7	LA COUNTY CUPA	LOTHRINGER ENGINEERING	825 N GLENDORA AVE COVINA CA 91724	WSW	0.04 / 186.23	-5	164
8	LA HMS		821 N GLENDORA AVE COVINA CA 91724	WSW	0.04 / 186.24	-5	164
9	LA COUNTY CUPA	MILLBROOK BREAD	837 N GLENDORA AVE COVINA CA 91724	W	0.04 / 187.10	-4	165
10	CERS HAZ	GRAPHICS UNITED	809 N GLENDORA AVE COVINA CA 91724	WSW	0.04 / 188.20	-7	165
10	LA COUNTY CUPA	GRAPHICS UNITED	809 N GLENDORA AVE COVINA CA 91724	WSW	0.04 / 188.20	-7	168
11	RCRA SQG	COVINA HEAD & MOTOR	803 N GLENDORA COVINA CA 91724 ***EPA Handler ID:*** CAD981429871	SW	0.04 / 193.18	-7	168
12	RCRA NON GEN	EMAN TANAGHO	829 NORTH LANGHAM AVENUE COVINA CA 91724 ***EPA Handler ID:*** CAC002979839	ESE	0.04 / 203.47	2	169

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
13	LA HMS		1418 E CYPRESS ST COVINA CA 91724	ENE	0.05 / 262.93	7	170
14	LA HMS		1422 E CYPRESS ST COVINA CA 91724	ENE	0.05 / 286.62	7	170
15	LA HMS		1274 E CYPRESS ST COVINA CA 91724	WNW	0.07 / 386.08	-6	171
15	LA COUNTY CUPA	CUSTOM STAMPING INC	1274 E CYPRESS ST COVINA CA 91724	WNW	0.07 / 386.08	-6	171
15	RCRA NON GEN	CUSTOM TAMPING & MFG INC	1274 E CYPRESS ST COVINA CA 91724-0000 ***EPA Handler ID:*** CAD052274388	WNW	0.07 / 386.08	-6	171
16	RCRA NON GEN	TITUS BROWN	1253 E CYPRESS ST COVINA CA 91724 ***EPA Handler ID:*** CAC003096555	WNW	0.07 / 391.05	-6	172
17	LA COUNTY CUPA	FRANK HERNANDEZ POOLS	946 N GLENDORA AVE COVINA CA 91724	NW	0.08 / 442.82	0	173
18	RCRA NON GEN	ALAN & ELAINE DUNN	839 N RIMHURST AVE COVINA CA 91724 ***EPA Handler ID:*** CAC003075354	E	0.09 / 458.54	9	173
19	CERS HAZ	CTG INTERNATIONAL	1268 E EDNA PL COVINA CA 91724	W	0.11 / 606.91	-8	174
19	LA COUNTY CUPA	CTG INTERNATIONAL	1268 E EDNA PL COVINA CA 91724	W	0.11 / 606.91	-8	179
20	LA HMS		1263 E EDNA PL COVINA CA 91724	W	0.12 / 615.46	-8	179
21	RCRA SQG	G AND K MACHINE CO INC	1236 E EONA PL COVINA CA 91724-2509 ***EPA Handler ID:*** CAD983600099	WSW	0.12 / 620.61	-11	179
22	RCRA SQG	PER LUX INC	1242 E EDNA PLACE COVINA CA 91724 ***EPA Handler ID:*** CAD981685555	W	0.12 / 621.14	-11	180
22	EMISSIONS	PER-LUX INC	1242 E EDNA PL COVINA CA 91723	W	0.12 / 621.14	-11	182

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
22	CERS HAZ	ANVIL CASES	1242 E EDNA PL COVINA CA 91724	W	0.12 / 621.14	-11	183
22	LA COUNTY CUPA	ANVIL CASES	1242 E EDNA PL COVINA CA 91724	W	0.12 / 621.14	-11	185
22	RCRA TSD	ANVIL CASES INC	1242 E EDNA PLACE COVINA CA 91724 ***EPA Handler ID:*** CAL000444823	W	0.12 / 621.14	-11	186
22	RCRA NON GEN	ANVIL CASES INC	1242 E EDNA PLACE COVINA CA 91724 ***EPA Handler ID:*** CAL000444823	W	0.12 / 621.14	-11	187
23	LA COUNTY CUPA	PRECISION DRILLING & TAPPING	1234 E EDNA PKWY COVINA CA 91724	WSW	0.12 / 635.56	-12	188
24	LA HMS		1236 E EDNA PL COVINA CA 91724	WSW	0.12 / 645.48	-12	188
24	CERS HAZ	G & K MACHINE	1236 E EDNA PL COVINA CA 91724	WSW	0.12 / 645.48	-12	188
24	LA COUNTY CUPA	G & K MACHINE	1236 E EDNA PL COVINA CA 91724	WSW	0.12 / 645.48	-12	191
24	RCRA NON GEN	OSCARS TOWING AND TRANSPORT	1236 E EDNA COVINA CA 91724 ***EPA Handler ID:*** CAP000007924	WSW	0.12 / 645.48	-12	191
24	RCRA NON GEN	OSCARS TOWING AND TRANSPORT	1236 E EDNA COVINA CA 91724 ***EPA Handler ID:*** CAP007924	WSW	0.12 / 645.48	-12	192
25	RCRA NON GEN	PRECISION DRILLING & TAPPING	1234 E EDNA PL COVINA CA 91724 ***EPA Handler ID:*** CAL000440418	WSW	0.12 / 653.62	-12	193
26	LA HMS		1228 E EDNA PL COVINA CA 91724	WSW	0.13 / 661.30	-13	194
27	LA HMS		1230 E EDNA PL COVINA CA 91724	WSW	0.13 / 670.19	-13	194

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
28	LA COUNTY CUPA	CLARKE TOWNE PHOTO ENGRAVERS	1216 E CYPRESS ST COVINA CA 91724	W	0.13 / 706.84	-9	194
29	LA HMS		1212 E CYPRESS ST COVINA CA 91724	W	0.14 / 728.79	-10	194
29	LA COUNTY CUPA	KEVER ENTERPRISES INC	1212 E CYPRESS ST COVINA CA 91724	W	0.14 / 728.79	-10	195
30	LA COUNTY CUPA	C A T SPECIALITIS INC	1208 E CYPRESS ST COVINA CA 91724	W	0.14 / 750.75	-10	195
31	LA HMS		1214 E EDNA PL COVINA CA 91724	WSW	0.14 / 759.71	-15	195
32	LA HMS		1202 E EDNA PL COVINA CA 91724	WSW	0.15 / 792.01	-16	195
32	LA COUNTY CUPA	G&D INDUSTRIES	1202 E EDNA PL COVINA CA 91724	WSW	0.15 / 792.01	-16	196
33	RCRA NON GEN	T & T METALS INC	1184 E EDNA PL COVINA CA 91724 ***EPA Handler ID:*** CAL000395604	WSW	0.18 / 939.75	-18	196
33	LA COUNTY CUPA	CARS CLEAN CO	1184 E EDNA PL COVINA CA 91724	WSW	0.18 / 939.75	-18	197
34	RCRA NON GEN	DORA RUIZ-MONTES DE OCA	977 N CALMGROVE AVE COVINA CA 91724 ***EPA Handler ID:*** CAC002979200	NW	0.18 / 953.10	-5	197
35	RCRA NON GEN	OPTICAL COMPONENTS INC	1175 E EDNA PLACE COVINA CA 91724 ***EPA Handler ID:*** CAD981373327	WSW	0.19 / 989.70	-19	198
35	RCRA SQG	OPTICAL COMPONENTS, INC.	1175 E. EDNA PLACE COVINA CA 91724 ***EPA Handler ID:*** CAD981999790	WSW	0.19 / 989.70	-19	199
35	LA HMS		1175 E EDNA PL COVINA CA 91724	WSW	0.19 / 989.70	-19	201

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
35	EMISSIONS	OPTICAL COMPONENTS	1175 E EDNA PL COVINA CA 91724	WSW	0.19 / 989.70	-19	201
35	LA COUNTY CUPA	CVI OPTICAL COMPONENTS	1175 E EDNA PL COVINA CA 91724	WSW	0.19 / 989.70	-19	205
36	LA HMS		1172 E EDNA PL COVINA CA 91724	WSW	0.19 / 1,021.89	-20	206
36	LA COUNTY CUPA	HELIX ENGINEERING INC	1172 E EDNA PL COVINA CA 91724	WSW	0.19 / 1,021.89	-20	206
37	LA HMS		1162 E EDNA PL COVINA CA 91724	WSW	0.21 / 1,110.71	-21	206
38	LA HMS		1130 E CYPRESS ST COVINA CA 91724	W	0.21 / 1,126.58	-16	206
38	EMISSIONS	EG&G ALMOND INSTRUMENTS	1130 E CYPRESS ST COVINA CA 91724	W	0.21 / 1,126.58	-16	207
38	LA COUNTY CUPA	KEN DUNCAN COMPANY	1130 E CYPRESS ST COVINA CA 91724	W	0.21 / 1,126.58	-16	207
39	ENVIROSTOR	STABILE PLATING CO., INC.	1150 E. EDNA PLACE COVINA CA 91724 ***Estor/EPA ID	Cleanup Status:*** 71002539 | REFER: OTHER AGENCY AS OF	WSW	0.22 / 1,174.78	-25	208
40	RCRA NON GEN	LOS ANGELES COUNTY FIRE DEPARTMENT	1577 E CYPRESS ST- STATION 153 COVINA CA 91724-2120 ***EPA Handler ID:*** CAL000208941	E	0.22 / 1,182.30	20	208
40	LA COUNTY CUPA	LA CO FD STATION #153	1577 E CYPRESS ST COVINA CA 91723	E	0.22 / 1,182.30	20	209
41	RCRA SQG	STABLE PLATING CO INC	1150 E EDNA PL COVINA CA 91724 ***EPA Handler ID:*** CAD067729731	WSW	0.23 / 1,196.86	-23	210
41	LA HMS		1150 E EDNA PL COVINA CA 91724	WSW	0.23 / 1,196.86	-23	212

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
41	EMISSIONS	STABILE PLATING CO INC	1150 E EDNA PL COVINA CA 91724	WSW	0.23 / 1,196.86	-23	212
41	LA COUNTY CUPA	STABILE PLATING CO INC	1150 E EDNA PL COVINA CA 91724	WSW	0.23 / 1,196.86	-23	213
41	PFAS	Stabile Plating Co Inc	1150 E Edna Pl Covina CA 91724	WSW	0.23 / 1,196.86	-23	213
42	RCRA NON GEN	DILIP MIRANI	1334 E RETFORD ST COVINA CA 91724-2724 ***EPA Handler ID:*** CAC003045797	S	0.23 / 1,227.01	-8	214
43	RCRA NON GEN	VICTOR NAVA	984 N. DAMATO DR. COVINA CA 91724 ***EPA Handler ID:*** CAC003002027	WNW	0.23 / 1,228.17	-8	215
44	LA HMS		834 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,271.02	-21	216
45	LA HMS		836 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,271.05	-21	217
46	LA HMS		830 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,271.32	-22	217
47	LA HMS		852 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,271.80	-20	217
48	LA HMS		828 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,272.89	-21	218
48	RCRA NON GEN	DATA LABEL PRODUCTS INC	828 N CUMMINGS RD COVINA CA 91724-2505 ***EPA Handler ID:*** CAL000093402	W	0.24 / 1,272.89	-21	218
48	LA COUNTY CUPA	DATA LABEL PRODUCTS INC	828 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,272.89	-21	219
49	LA HMS		818 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,275.23	-23	219
49	LA HMS		818 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,275.23	-23	219

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
49	LA COUNTY CUPA	CERTIFIED FASTENERS INC	818 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,275.23	-23	220
50	LA HMS		1138 E EDNA PL COVINA CA 91724	WSW	0.24 / 1,280.60	-24	220
51	RCRA TSD	MAROCS SOLIS	1049 N CALMGROVE AVE COVINA CA 91724 ***EPA Handler ID:*** CAC003019517	NW	0.24 / 1,290.02	-2	220
51	RCRA NON GEN	MAROCS SOLIS	1049 N CALMGROVE AVE COVINA CA 91724 ***EPA Handler ID:*** CAC003019517	NW	0.24 / 1,290.02	-2	221
52	EMISSIONS	CACO PACIFIC CORPORATION	813 N. CUMMINGS ROAD COVINA CA 91724	W	0.24 / 1,291.57	-22	222
53	LA HMS		813 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,292.94	-21	224
53	EMISSIONS	CACO-PACIFIC CORP.	813 N CUMMINGS RD COVINA CA	W	0.24 / 1,292.94	-21	224
53	LA COUNTY CUPA	CACO-PACIFIC CORP	813 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,292.94	-21	225
54	RCRA NON GEN	GILBERT ALVAREZ	850 N. KIDDER AVE. COVINA CA 91724 ***EPA Handler ID:*** CAC003083507	E	0.25 / 1,300.66	20	225
55	RCRA NON GEN	BRIAN LINVILLE	1012 N DAMATO DR COVINA CA 91724-2043 ***EPA Handler ID:*** CAC003027181	NW	0.25 / 1,302.07	-8	226
56	DELISTED HAZ	CACO - PACIFIC CORP	1106 CYPRESS COVINA CA 91722	W	0.26 / 1,349.88	-19	227
57	RCRA TSD	CACO PACIFIC CORPORATION	813 N CUMMING COVINA CA 91722-0000 ***EPA Handler ID:*** CAD041672205	W	0.27 / 1,415.44	-24	227
58	LUST	CHARTER OAK HOSPITAL	1161 COVINA BLVD E COVINA CA 91724 ***Global ID | Status | Status Date:*** T0603704910 | COMPLETED - CASE CLOSED | 6/17/1998	NW	0.31 / 1,653.59	-4	228

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
59	RCRA TSD	KEN DUNCAN CORPORATION	1078 E. EDNA PLACE COVINA CA 91724 ***EPA Handler ID:*** CAC003012058	WSW	0.31 / 1,658.91	-30	230
60	RCRA TSD	MIKE RENNER	1011 N.BENDER AVE COVINA CA 91724 ***EPA Handler ID:*** CAC003008654	WNW	0.42 / 2,225.37	-22	231
61	ENVIROSTOR	JONES & ROY COMPANY	620 NORTH COMMERCIAL AVENUE COVINA CA 91723 ***Estor/EPA ID | Cleanup Status:*** 19340730 | REFER: OTHER AGENCY AS OF 4/24/1984	WSW	0.83 / 4,366.34	-65	232
62	ENVIROSTOR	ELDON DRAPERY CLEANERS (FORMER)	551 E. EDNA PLACE COVINA CA 91723 ***Estor/EPA ID | Cleanup Status:*** 19720036 | REFER: 1248 LOCAL AGENCY AS OF 11/28/2001	W	0.97 / 5,131.60	-71	233

Executive Summary: Summary by Data Source

Standard

Federal

RCRA TSD - RCRA non-CORRACTS TSD Facilities

A search of the RCRA TSD database, dated Jan 22, 2021 has found that there are 6 RCRA TSD site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
EXCELITAS TECHNOLOGIES CORP	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	1
	***EPA Handler ID**: CAD981396252*			
ANVIL CASES INC	1242 E EDNA PLACE COVINA CA 91724	W	0.12 / 621.14	22
	***EPA Handler ID**: CAL000444823*			
MAROCS SOLIS	1049 N CALMGROVE AVE COVINA CA 91724	NW	0.24 / 1,290.02	51
	***EPA Handler ID**: CAC003019517*			
CACO PACIFIC CORPORATION	813 N CUMMING COVINA CA 91722-0000	W	0.27 / 1,415.44	57
	***EPA Handler ID**: CAD041672205*			
KEN DUNCAN CORPORATION	1078 E. EDNA PLACE COVINA CA 91724	WSW	0.31 / 1,658.91	59
	***EPA Handler ID**: CAC003012058*			
MIKE RENNER	1011 N.BENDER AVE COVINA CA 91724	WNW	0.42 / 2,225.37	60
	***EPA Handler ID**: CAC003008654*			

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Jan 22, 2021 has found that there are 6 RCRA SQG site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
EXCELITAS TECHNOLOGIES CORP	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	1
	***EPA Handler ID**: CAD981396252*			
COVINA HEAD & MOTOR	803 N GLENDORA COVINA CA 91724	SW	0.04 / 193.18	11
	***EPA Handler ID**: CAD981429871*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
G AND K MACHINE CO INC	1236 E EONA PL COVINA CA 91724-2509 ***EPA Handler ID**: CAD983600099*	WSW	0.12 / 620.61	21
PER LUX INC	1242 E EDNA PLACE COVINA CA 91724 ***EPA Handler ID**: CAD981685555*	W	0.12 / 621.14	22
OPTICAL COMPONENTS, INC.	1175 E. EDNA PLACE COVINA CA 91724 ***EPA Handler ID**: CAD981999790*	WSW	0.19 / 989.70	35
STABLE PLATING CO INC	1150 E EDNA PL COVINA CA 91724 ***EPA Handler ID**: CAD067729731*	WSW	0.23 / 1,196.86	41

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Jan 22, 2021 has found that there are 20 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MARY CAGE	1400 E. CYPRESS ST COVINA CA 91724 ***EPA Handler ID**: CAC003092298*	ENE	0.03 / 179.03	5
EMAN TANAGHO	829 NORTH LANGHAM AVENUE COVINA CA 91724 ***EPA Handler ID**: CAC002979839*	ESE	0.04 / 203.47	12
ALAN & ELAINE DUNN	839 N RIMHURST AVE COVINA CA 91724 ***EPA Handler ID**: CAC003075354*	E	0.09 / 458.54	18
LOS ANGELES COUNTY FIRE DEPARTMENT	1577 E CYPRESS ST-STATION 153 COVINA CA 91724-2120 ***EPA Handler ID**: CAL000208941*	E	0.22 / 1,182.30	40
GILBERT ALVAREZ	850 N. KIDDER AVE. COVINA CA 91724 ***EPA Handler ID**: CAC003083507*	E	0.25 / 1,300.66	54

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
TT ELECTRONICS POWER SOLUTIONS INC	1330 E CYPRESS ST COVINA CA 91724 ***EPA Handler ID**: CAL000453832*	NNW	0.00 / 0.00	1
CUSTOM TAMPING & MFG INC	1274 E CYPRESS ST COVINA CA 91724-0000 ***EPA Handler ID**: CAD052274388*	WNW	0.07 / 386.08	15

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
TITUS BROWN	1253 E CYPRESS ST COVINA CA 91724	WNW	0.07 / 391.05	16
	***EPA Handler ID**: CAC003096555*			
ANVIL CASES INC	1242 E EDNA PLACE COVINA CA 91724	W	0.12 / 621.14	22
	***EPA Handler ID**: CAL000444823*			
OSCARS TOWING AND TRANSPORT	1236 E EDNA COVINA CA 91724	WSW	0.12 / 645.48	24
	***EPA Handler ID**: CAP007924*			
OSCARS TOWING AND TRANSPORT	1236 E EDNA COVINA CA 91724	WSW	0.12 / 645.48	24
	***EPA Handler ID**: CAP000007924*			
PRECISION DRILLING & TAPPING	1234 E EDNA PL COVINA CA 91724	WSW	0.12 / 653.62	25
	***EPA Handler ID**: CAL000440418*			
T & T METALS INC	1184 E EDNA PL COVINA CA 91724	WSW	0.18 / 939.75	33
	***EPA Handler ID**: CAL000395604*			
DORA RUIZ-MONTES DE OCA	977 N CALMGROVE AVE COVINA CA 91724	NW	0.18 / 953.10	34
	***EPA Handler ID**: CAC002979200*			
OPTICAL COMPONENTS INC	1175 E EDNA PLACE COVINA CA 91724	WSW	0.19 / 989.70	35
	***EPA Handler ID**: CAD981373327*			
DILIP MIRANI	1334 E RETFORD ST COVINA CA 91724-2724	S	0.23 / 1,227.01	42
	***EPA Handler ID**: CAC003045797*			
VICTOR NAVA	984 N. DAMATO DR. COVINA CA 91724	WNW	0.23 / 1,228.17	43
	***EPA Handler ID**: CAC003002027*			
DATA LABEL PRODUCTS INC	828 N CUMMINGS RD COVINA CA 91724-2505	W	0.24 / 1,272.89	48
	***EPA Handler ID**: CAL000093402*			
MAROCS SOLIS	1049 N CALMGROVE AVE COVINA CA 91724	NW	0.24 / 1,290.02	51
	***EPA Handler ID**: CAC003019517*			
BRIAN LINVILLE	1012 N DAMATO DR COVINA CA 91724-2043	NW	0.25 / 1,302.07	55
	***EPA Handler ID**: CAC003027181*			

State

ENVIROSTOR - EnviroStor Database

A search of the ENVIROSTOR database, dated Jan 13, 2021 has found that there are 3 ENVIROSTOR site(s) within approximately 1.00 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
STABILE PLATING CO., INC.	1150 E. EDNA PLACE COVINA CA 91724	WSW	0.22 / 1,174.78	39
	***Estor/EPA ID** | **Cleanup Status**: 71002539 | REFER: OTHER AGENCY AS OF*			
JONES & ROY COMPANY	620 NORTH COMMERCIAL AVENUE COVINA CA 91723	WSW	0.83 / 4,366.34	61
	***Estor/EPA ID** | **Cleanup Status**: 19340730 | REFER: OTHER AGENCY AS OF 4/24/1984*			
ELDON DRAPERY CLEANERS (FORMER)	551 E. EDNA PLACE COVINA CA 91723	W	0.97 / 5,131.60	62
	***Estor/EPA ID** | **Cleanup Status**: 19720036 | REFER: 1248 LOCAL AGENCY AS OF 11/28/2001*			

LUST - Leaking Underground Fuel Tank Reports

A search of the LUST database, dated Mar 9, 2021 has found that there are 2 LUST site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
76 PRODUCTS STATION #5012	856 GLENDORA AVE N COVINA CA 91722	WNW	0.01 / 72.85	3
	***Global ID** | **Status** | **Status Date**: T0603703605 | COMPLETED - CASE CLOSED | 6/18/1991*			
CHARTER OAK HOSPITAL	1161 COVINA BLVD E COVINA CA 91724	NW	0.31 / 1,653.59	58
	***Global ID** | **Status** | **Status Date**: T0603704910 | COMPLETED - CASE CLOSED | 6/17/1998*			

HHSS - Historical Hazardous Substance Storage Information Database

A search of the HHSS database, dated Aug 27, 2015 has found that there are 2 HHSS site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNION OIL SERV STATION 5012	856 NORTH GLENDORA AVENUE COVINA CA 91722	WNW	0.01 / 72.85	3
STATION 5012	856 NORTH GLENDORA AVE. COVINA CA 91722	WNW	0.01 / 72.85	3

UST SWEEPS - Statewide Environmental Evaluation and Planning System

A search of the UST SWEEPS database, dated Oct 1, 1994 has found that there are 1 UST SWEEPS site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNOCAL CORP SS 5012	856 N GLENDORA AVE COVINA CA	WNW	0.01 / 72.85	3
	C C* | *Status: *A19-000-10313* | *ACTIVE* ***Tank ID***: *000001, 000003, 000002*			

HIST TANK - Historical Hazardous Substance Storage Container Information - Facility Summary

A search of the HIST TANK database, dated May 27, 1988 has found that there are 2 HIST TANK site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
STATION #5012	856 NORTH GLENDORA AVE. COVINA CA	WNW	0.01 / 72.85	3
UNION OIL SERV. STATION #5012	856 NORTH GLENDORA AVENUE COVINA CA	WNW	0.01 / 72.85	3

County

LA COUNTY CUPA - Los Angeles County - CUPA Program Records

A search of the LA COUNTY CUPA database, dated Mar 25, 2020 has found that there are 27 LA COUNTY CUPA site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
CYPRESS AVE ANIMAL HOSPITAL	1400 E CYPRESS ST COVINA CA 91724	ENE	0.03 / 175.25	4
LA CO FD STATION #153	1577 E CYPRESS ST COVINA CA 91723	E	0.22 / 1,182.30	40

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
EXCELITAS TECHNOLOGIES CORP	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	1
T-MOBILE WEST (SITE ID#IE04095A)	1330 E CYPRESS TM COVINA CA 91724	NNW	0.00 / 0.00	1
STOP-N-GO #57 NAT'L CONVENIENCE	836 N GLENDORA AVE COVINA CA 91724	W	0.01 / 44.19	2
76 PRODUCTS CO - #5012 GLENDORA	856 N GLENDORA AVE COVINA CA 91724	WNW	0.01 / 72.85	3

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LOTHRINGER ENGINEERING	825 N GLENDORA AVE COVINA CA 91724	WSW	0.04 / 186.23	7
MILLBROOK BREAD	837 N GLENDORA AVE COVINA CA 91724	W	0.04 / 187.10	9
GRAPHICS UNITED	809 N GLENDORA AVE COVINA CA 91724	WSW	0.04 / 188.20	10
CUSTOM STAMPING INC	1274 E CYPRESS ST COVINA CA 91724	WNW	0.07 / 386.08	15
FRANK HERNANDEZ POOLS	946 N GLENDORA AVE COVINA CA 91724	NW	0.08 / 442.82	17
CTG INTERNATIONAL	1268 E EDNA PL COVINA CA 91724	W	0.11 / 606.91	19
ANVIL CASES	1242 E EDNA PL COVINA CA 91724	W	0.12 / 621.14	22
PRECISION DRILLING & TAPPING	1234 E EDNA PKWY COVINA CA 91724	WSW	0.12 / 635.56	23
G & K MACHINE	1236 E EDNA PL COVINA CA 91724	WSW	0.12 / 645.48	24
CLARKE TOWNE PHOTO ENGRAVERS	1216 E CYPRESS ST COVINA CA 91724	W	0.13 / 706.84	28
KEVER ENTERPRISES INC	1212 E CYPRESS ST COVINA CA 91724	W	0.14 / 728.79	29
C A T SPECIALITIS INC	1208 E CYPRESS ST COVINA CA 91724	W	0.14 / 750.75	30
G&D INDUSTRIES	1202 E EDNA PL COVINA CA 91724	WSW	0.15 / 792.01	32

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CARS CLEAN CO	1184 E EDNA PL COVINA CA 91724	WSW	0.18 / 939.75	33
CVI OPTICAL COMPONENTS	1175 E EDNA PL COVINA CA 91724	WSW	0.19 / 989.70	35
HELIX ENGINEERING INC	1172 E EDNA PL COVINA CA 91724	WSW	0.19 / 1,021.89	36
KEN DUNCAN COMPANY	1130 E CYPRESS ST COVINA CA 91724	W	0.21 / 1,126.58	38
STABILE PLATING CO INC	1150 E EDNA PL COVINA CA 91724	WSW	0.23 / 1,196.86	41
DATA LABEL PRODUCTS INC	828 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,272.89	48
CERTIFIED FASTENERS INC	818 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,275.23	49
CACO-PACIFIC CORP	813 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,292.94	53

LA HMS - Los Angeles County - HMS List

A search of the LA HMS database, dated Nov 5, 2020 has found that there are 29 LA HMS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	1418 E CYPRESS ST COVINA CA 91724	ENE	0.05 / 262.93	13
	1422 E CYPRESS ST COVINA CA 91724	ENE	0.05 / 286.62	14

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	1

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	856 N GLENDORA AVE COVINA CA 91722	WNW	0.01 / 72.85	3
	856 N GLENDORA AVE COVINA CA 91724	WNW	0.01 / 72.85	3
	827 N GLENDORA AVE COVINA CA 91724	WSW	0.04 / 186.22	6
	821 N GLENDORA AVE COVINA CA 91724	WSW	0.04 / 186.24	8
	1274 E CYPRESS ST COVINA CA 91724	WNW	0.07 / 386.08	15
	1263 E EDNA PL COVINA CA 91724	W	0.12 / 615.46	20
	1236 E EDNA PL COVINA CA 91724	WSW	0.12 / 645.48	24
	1228 E EDNA PL COVINA CA 91724	WSW	0.13 / 661.30	26
	1230 E EDNA PL COVINA CA 91724	WSW	0.13 / 670.19	27
	1212 E CYPRESS ST COVINA CA 91724	W	0.14 / 728.79	29
	1214 E EDNA PL COVINA CA 91724	WSW	0.14 / 759.71	31
	1202 E EDNA PL COVINA CA 91724	WSW	0.15 / 792.01	32
	1175 E EDNA PL COVINA CA 91724	WSW	0.19 / 989.70	35

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	1172 E EDNA PL COVINA CA 91724	WSW	0.19 / 1,021.89	36
	1162 E EDNA PL COVINA CA 91724	WSW	0.21 / 1,110.71	37
	1130 E CYPRESS ST COVINA CA 91724	W	0.21 / 1,126.58	38
	1150 E EDNA PL COVINA CA 91724	WSW	0.23 / 1,196.86	41
	834 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,271.02	44
	836 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,271.05	45
	830 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,271.32	46
	852 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,271.80	47
	828 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,272.89	48
	818 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,275.23	49
	818 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,275.23	49
	1138 E EDNA PL COVINA CA 91724	WSW	0.24 / 1,280.60	50
	813 N CUMMINGS RD COVINA CA 91724	W	0.24 / 1,292.94	53

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Nov 2, 2020 has found that there are 3 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
EG & G POWER SYSTEMS	1330 EAST CYPRESS STREET COVINA CA 91724-2103	NNW	0.00 / 0.00	1
TT ELECTRONICS POWER SOLUTIONS INC	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	1
76 PRODUCTS STATION #5012	856 GLENDORA AVE N COVINA CA 91722	WNW	0.01 / 72.85	3

TRIS - Toxics Release Inventory (TRI) Program

A search of the TRIS database, dated Feb 19, 2020 has found that there are 1 TRIS site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
EXCELITAS TECHNOLOGIES CORP-COVINA	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	1

State

PFAS - Per- and Polyfluoroalkyl Substances (PFAS)

A search of the PFAS database, dated Mar 9, 2021 has found that there are 1 PFAS site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Stabile Plating Co Inc	1150 E Edna Pl Covina CA 91724	WSW	0.23 / 1,196.86	41

HAZNET - Hazardous Waste Manifest Data

A search of the HAZNET database, dated Oct 24, 2016 has found that there are 7 HAZNET site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
1X E G M G ALMOND INST	1330 E CYPRESS ST COVINA CA 917240000	NNW	0.00 / 0.00	1
EXCELITAS TECHNOLOGIES CORP	1330 E CYPRESS ST COVINA CA 917240000	NNW	0.00 / 0.00	1
EG & G ALMOND INSTRUMENTS	1330 E. CYPRESS ST. COVINA CA 917240000	NNW	0.00 / 0.00	1
UNOCAL SERVICE STATION #5012	856 GLENDORA AVENUE COVINA CA 917220000	WNW	0.01 / 72.85	3
GLENDORA-CYPRESS 76	856 N GLENDORA COVINA CA 917240000	WNW	0.01 / 72.85	3
CIRCLE K STORES INC STATION #5771	856 N GLENDORA COVINA CA 917220000	WNW	0.01 / 72.85	3
COVINA AUTO REPAIR & SERVICE	856 N GLENDORA AVE COVINA CA 91722	WNW	0.01 / 72.85	3

HIST MANIFEST - Historical Hazardous Waste Manifest Data

A search of the HIST MANIFEST database, dated Dec 31, 1992 has found that there are 3 HIST MANIFEST site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	1330 E CYPRESS ST COVINA CA 917240000	NNW	0.00 / 0.00	1
	1330 E. CYPRESS ST. COVINA CA 917240000	NNW	0.00 / 0.00	1
	1330 E CYPRESS ST COVINA CA 917240000	NNW	0.00 / 0.00	1

CERS HAZ - California Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the CERS HAZ database, dated Feb 9, 2021 has found that there are 5 CERS HAZ site(s) within approximately 0.12 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
TT Electronics	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	1
GRAPHICS UNITED	809 N GLENDORA AVE COVINA CA 91724	WSW	0.04 / 188.20	10
CTG INTERNATIONAL	1268 E EDNA PL COVINA CA 91724	W	0.11 / 606.91	19
ANVIL CASES	1242 E EDNA PL COVINA CA 91724	W	0.12 / 621.14	22
G & K MACHINE	1236 E EDNA PL COVINA CA 91724	WSW	0.12 / 645.48	24

DELISTED HAZ - Delisted Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the DELISTED HAZ database, dated Nov 29, 2018 has found that there are 1 DELISTED HAZ site(s) within approximately 0.50 miles of the project property.

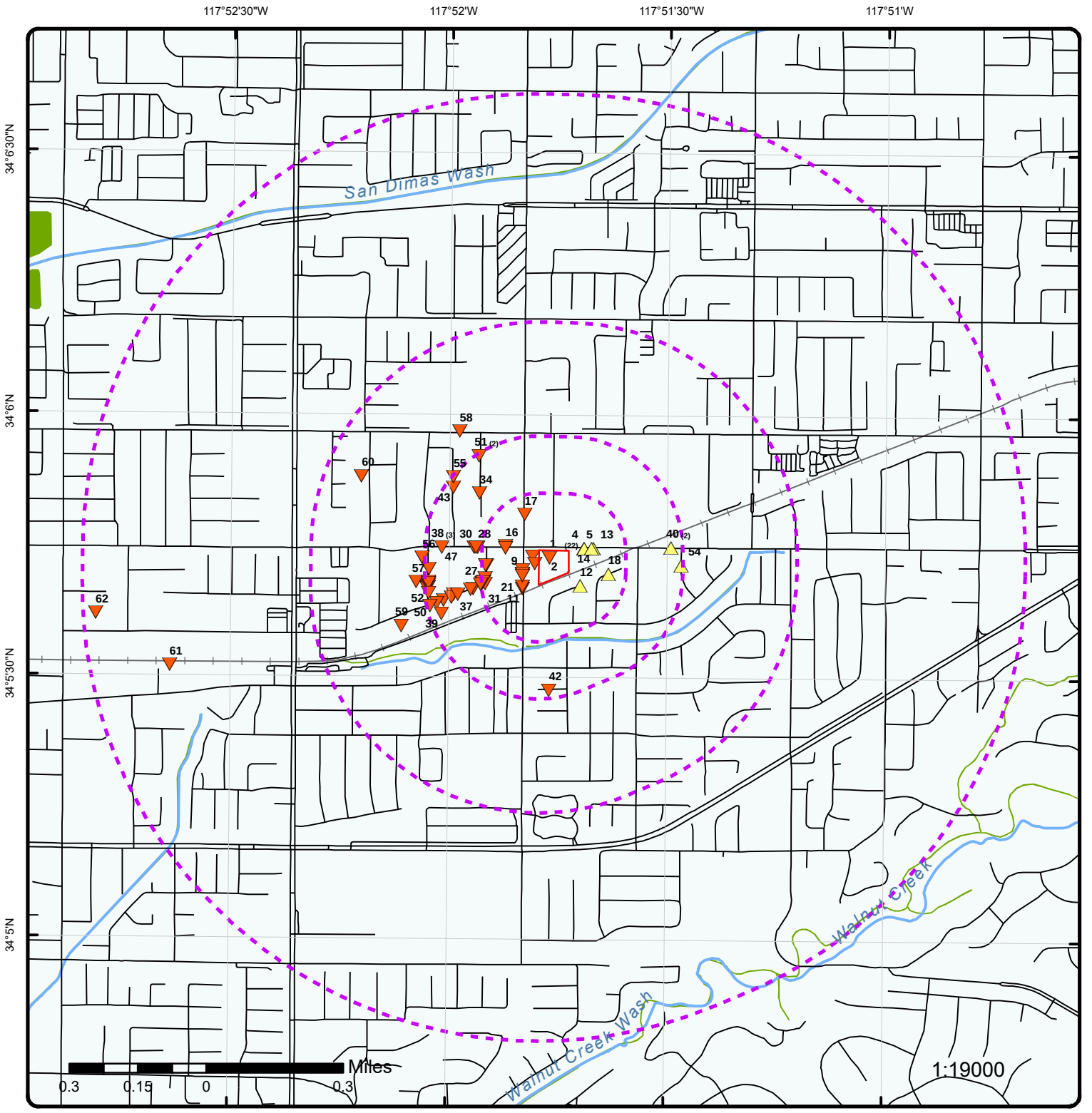
Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CACO - PACIFIC CORP	1106 CYPRESS COVINA CA 91722	W	0.26 / 1,349.88	56

EMISSIONS - Toxic Pollutant Emissions Facilities

A search of the EMISSIONS database, dated Dec 31, 2018 has found that there are 12 EMISSIONS site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
EG & G POWER SYSTEMS	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	1
EG & G POWER SYSTEM	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	1
EXCELITAS TECHNOLOGIES CORPORATION	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	1
EXCELITAS TECHNOLOGIES SENS30S, INC	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	1

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
E G & G ALMOND INSTRUMENTS	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	1
PERKIN ELMER	1330 E CYPRESS ST COVINA CA 91724	NNW	0.00 / 0.00	1
PER-LUX INC	1242 E EDNA PL COVINA CA 91723	W	0.12 / 621.14	22
OPTICAL COMPONENTS	1175 E EDNA PL COVINA CA 91724	WSW	0.19 / 989.70	35
EG&G ALMOND INSTRUMENTS	1130 E CYPRESS ST COVINA CA 91724	W	0.21 / 1,126.58	38
STABILE PLATING CO INC	1150 E EDNA PL COVINA CA 91724	WSW	0.23 / 1,196.86	41
CACO PACIFIC CORPORATION	813 N. CUMMINGS ROAD COVINA CA 91724	W	0.24 / 1,291.57	52
CACO-PACIFIC CORP.	813 N CUMMINGS RD COVINA CA	W	0.24 / 1,292.94	53



Map: 1.0 Mile Radius

Order Number: 21052501639

Address: 1330 Cypress Street, Covina, CA

ERIS

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	100 Year Flood Zone	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	500 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	Historic Fill	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

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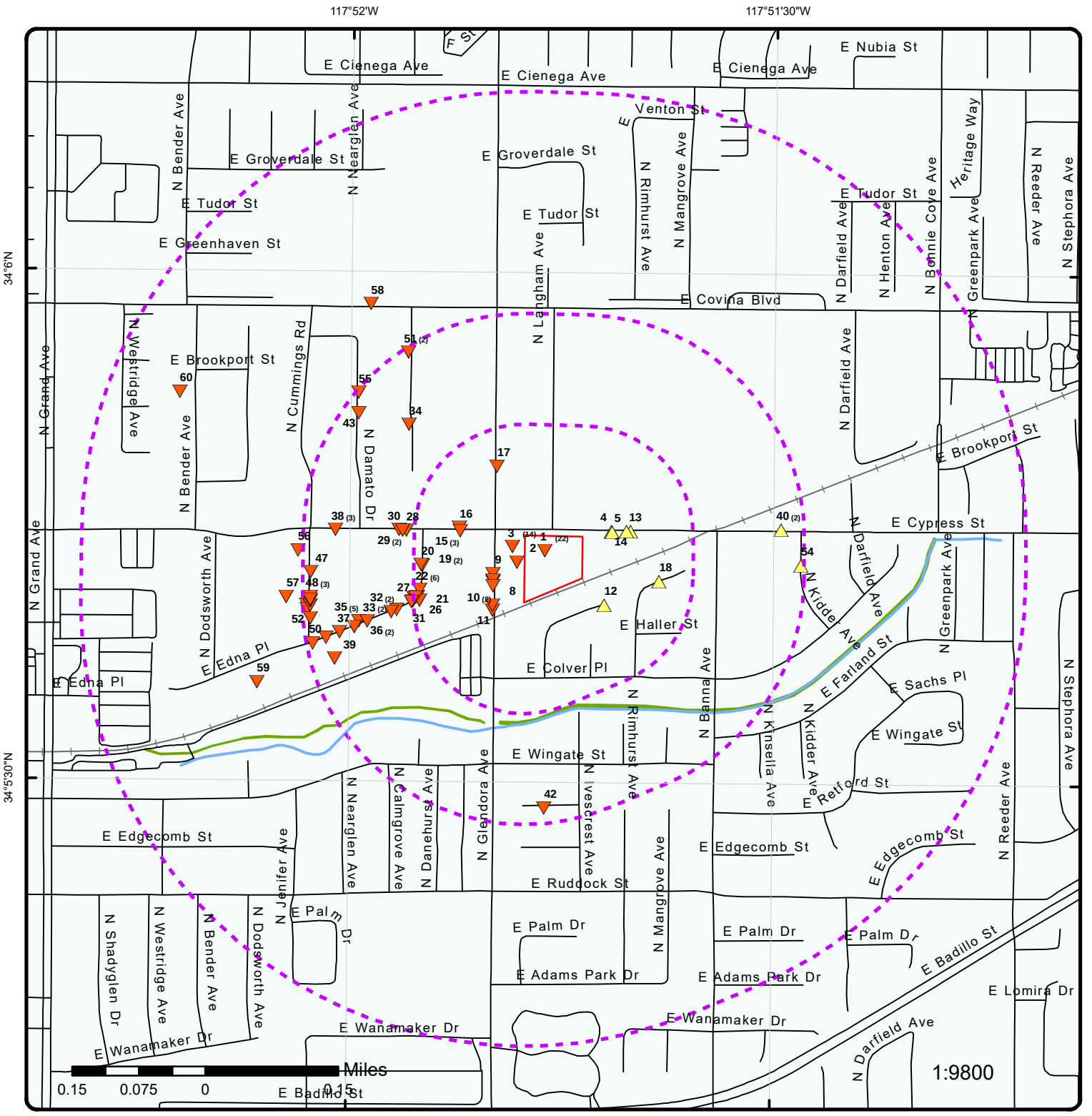

Map: 0.5 Mile Radius

Order Number: 21052501639

Address: 1330 Cypress Street, Covina, CA

ERIS

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	100 Year Flood Zone	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	500 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	Historic Fill	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

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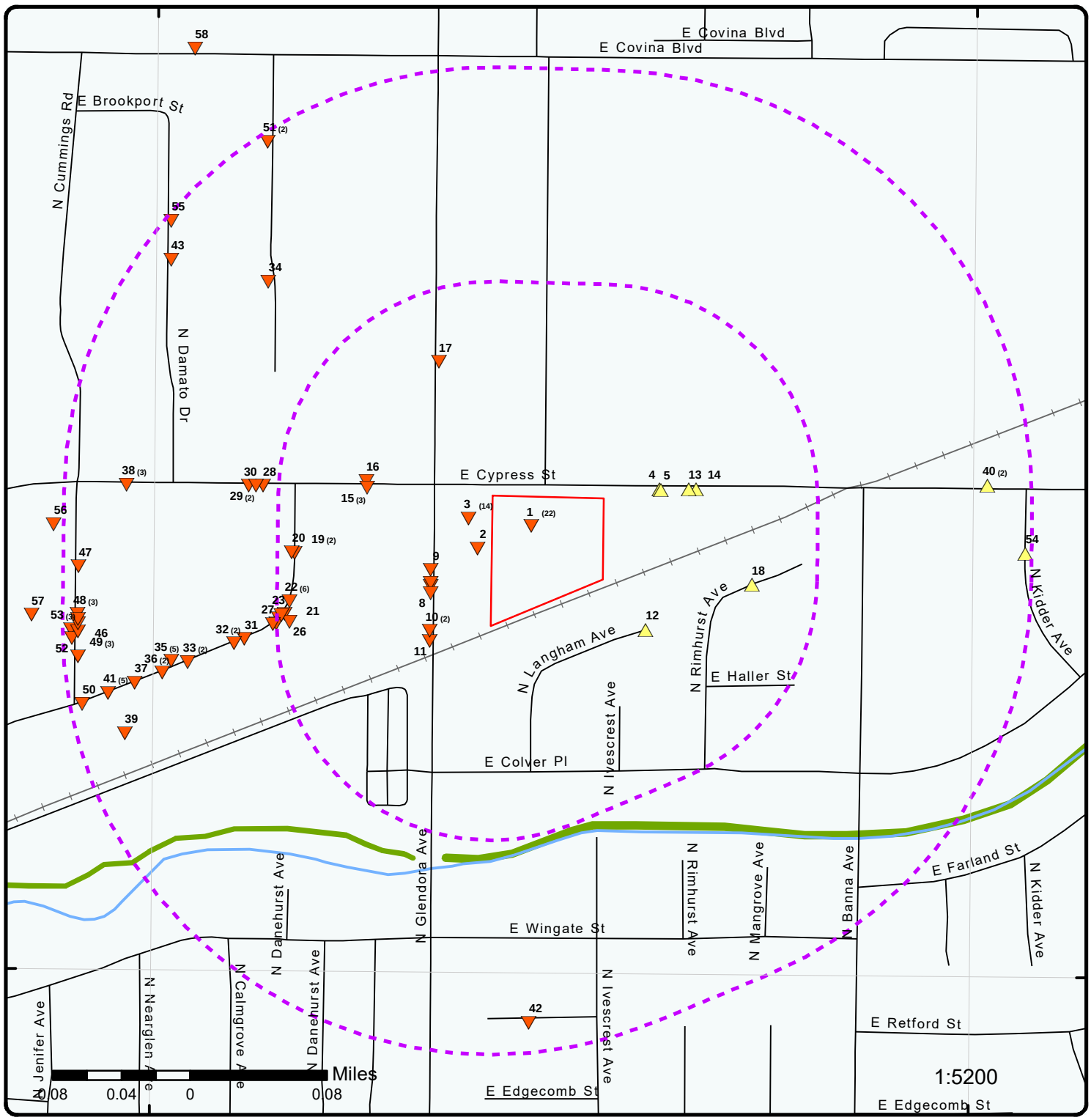

Map: 0.25 Mile Radius

Order Number: 21052501639

Address: 1330 Cypress Street, Covina, CA

Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas:Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	100 Year Flood Zone	State Superfund Areas:NPL
Eris Sites with Unknown Elevation	Secondary Roads	500 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	Historic Fill	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		

Source: © 2016 ESRI

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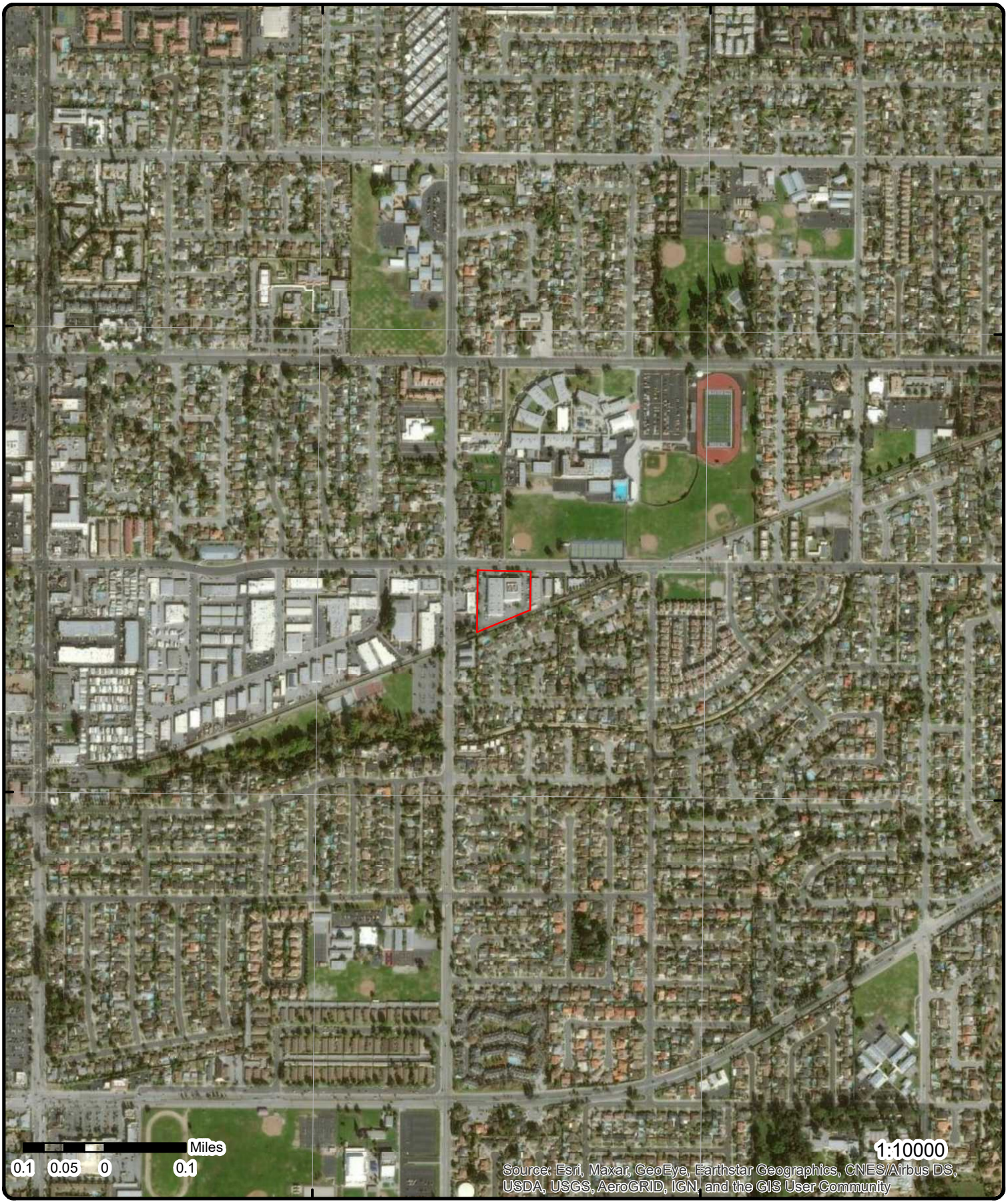

Aerial **Year: 2020**

Order Number: 21052501639

Address: 1330 Cypress Street, Covina, CA

Source: ESRI World Imagery

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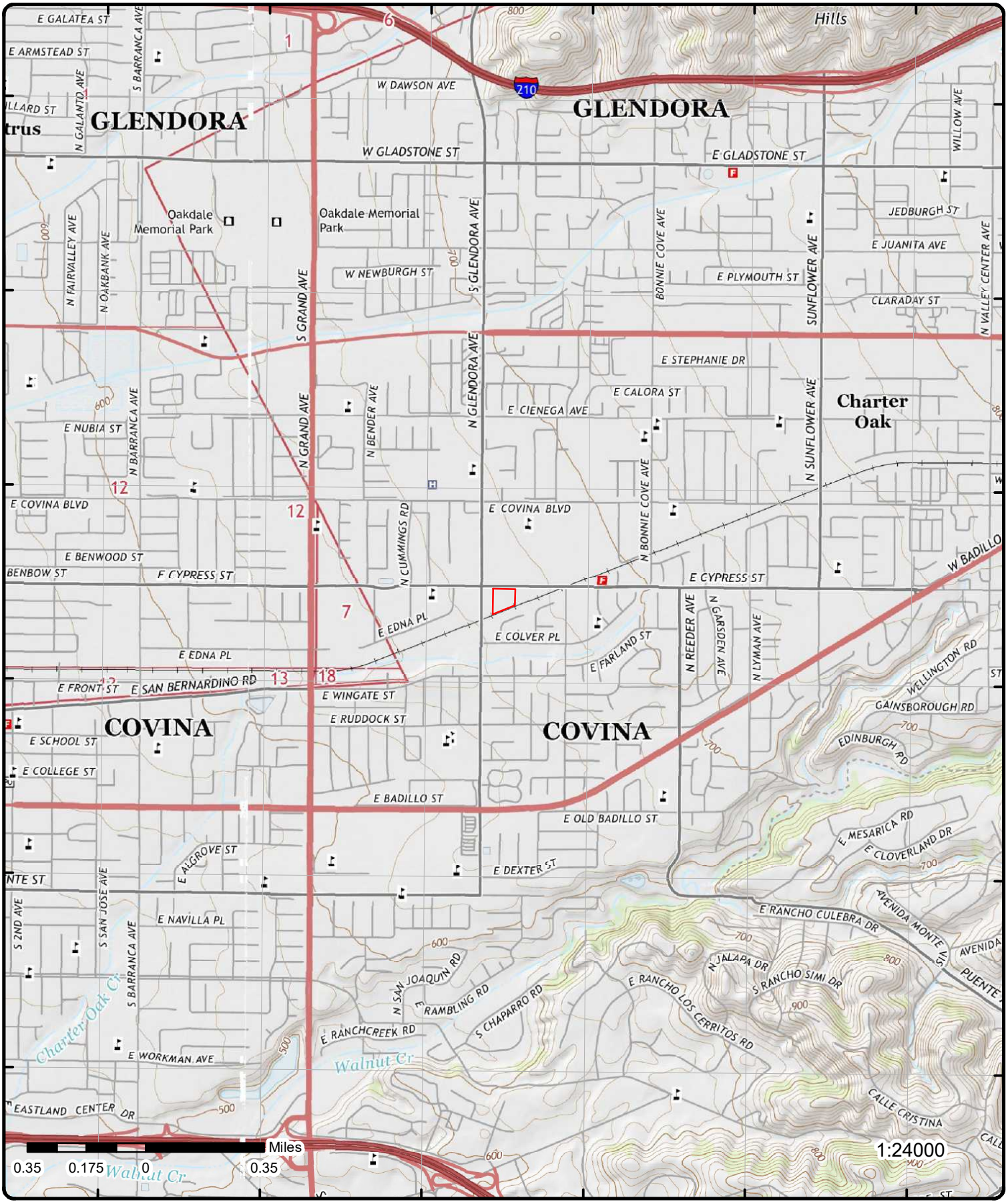

Topographic Map

Year: 2015

Order Number: 21052501639

Address: 1330 Cypress Street, CA

Quadrangle(s): San Dimas, CA; Baldwin Park, CA

Source: USGS Topographic Map

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Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 22	NNW	0.00 / 0.00	669.48 / 0	EXCELITAS TECHNOLOGIES CORP 1330 E CYPRESS ST COVINA CA 91724	RCRA TSD

EPA Handler ID: CAD981396252
Gen Status Universe: Small Quantity Generator
Contact Name: GARY KOZLOWSKI
Contact Address: 1330 , E CYPRESS ST , , COVINA , CA, 91724 , US
Contact Phone No and Ext: 626-593-6726
Contact Email: GARY.KOZLOWSKI@EXCELITAS.COM
Contact Country: US
Land Type: Private
County Name: LOS ANGELES
EPA Region: 09
Receive Date: 20160422
Location Latitude: 34.095956
Location Longitude: -117.843354

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19910625
Handler Name: EG & G ALMOND INSTRUMENTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 2

Receive Date: 19920229
Handler Name: EG & G POWER SYSTEMS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19940310
Handler Name: EG&G POWER SYSTEMS, ALMOND OPERATIONS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20011129
Handler Name: PERKINELMER
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D000
Waste Code Description: DESCRIPTION

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20110103
Handler Name: EXCELITAS TECHNOLOGIES SENSORS INC

Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005

Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20130307
Handler Name: EXCELITAS TECHNOLOGIES CORP
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: F003

Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20160422
Handler Name: EXCELITAS TECHNOLOGIES CORP
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	NOT REQUIRED	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	
Name:	EXCELITAS TECHNOLOGIES CORP	***Street 2:***	
Date Became Current:	20101130	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Notification	***Zip Code:***	

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	200 W ST
Name:	EXCELITAS TECHNOLOGIES CORP HEADQUARTERS	***Street 2:***	STE E403
Date Became Current:	20101130	***City:***	WALTHAM
Date Ended Current:		***State:***	MA
Phone:	855-382-2677	***Country:***	US
Source Type:	Notification	***Zip Code:***	02451

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	940 WINTER ST
Name:	EXCELITAS TECHNOLOGIES CORP	***Street 2:***	
Date Became Current:	20101130	***City:***	WALTHAM
Date Ended Current:		***State:***	MA
Phone:	781-663-6900	***Country:***	US
Source Type:	Notification	***Zip Code:***	02451

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	45 WILLIAMS ST
Name:	PERKINELMER INC	***Street 2:***	
Date Became Current:		***City:***	WELLESLEY
Date Ended Current:		***State:***	MA
Phone:	617-237-5100	***Country:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Source Type:	Notification	**Zip Code:**	02181-4078
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	
Name:	EXCELITAS TECHNOLOGIES SENSORS INC	**Street 2:**	
Date Became Current:	20101130	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	

Historical Handler Details

Receive Dt:	20130307
Generator Code Description:	Small Quantity Generator
Handler Name:	EXCELITAS TECHNOLOGIES CORP
Receive Dt:	20110103
Generator Code Description:	Small Quantity Generator
Handler Name:	EXCELITAS TECHNOLOGIES SENSORS INC
Receive Dt:	20011129
Generator Code Description:	Small Quantity Generator
Handler Name:	PERKINELMER
Receive Dt:	19940310
Generator Code Description:	Large Quantity Generator
Handler Name:	EG&G POWER SYSTEMS, ALMOND OPERATIONS
Receive Dt:	19920229
Generator Code Description:	Large Quantity Generator
Handler Name:	EG & G POWER SYSTEMS
Receive Dt:	19910625
Generator Code Description:	Large Quantity Generator
Handler Name:	EG & G ALMOND INSTRUMENTS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	2 of 22	NNW	0.00 / 0.00	669.48 / 0	EXCELITAS TECHNOLOGIES CORP 1330 E CYPRESS ST COVINA CA 91724	RCRA SQG

EPA Handler ID:	CAD981396252
Gen Status Universe:	Small Quantity Generator
Contact Name:	GARY KOZLOWSKI
Contact Address:	1330 , E CYPRESS ST , , COVINA , CA, 91724 , US
Contact Phone No and Ext:	626-593-6726
Contact Email:	GARY.KOZLOWSKI@EXCELITAS.COM
Contact Country:	US
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	Private
Receive Date:	20160422
Location Latitude:	34.095956
Location Longitude:	-117.843354

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No

Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19910625
Handler Name: EG & G ALMOND INSTRUMENTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19920229
Handler Name: EG & G POWER SYSTEMS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19940310
Handler Name: EG&G POWER SYSTEMS, ALMOND OPERATIONS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20011129
Handler Name: PERKINELMER
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D000
Waste Code Description: DESCRIPTION

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20110103
Handler Name: EXCELITAS TECHNOLOGIES SENSORS INC
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D004

Waste Code Description: ARSENIC

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20130307
Handler Name: EXCELITAS TECHNOLOGIES CORP
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20160422
Handler Name: EXCELITAS TECHNOLOGIES CORP
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: EXCELITAS TECHNOLOGIES CORP
Date Became Current: 20101130
Date Ended Current:
Phone: 781-663-6900
Source Type: Notification
Street No:
Street 1: 940 WINTER ST
Street 2:
City: WALTHAM
State: MA
Country: US
Zip Code: 02451

Owner/Operator Ind: Current Owner
Type: Private
Name: PERKINELMER INC
Street No:
Street 1: 45 WILLIAMS ST
Street 2:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Became Current:		**City:**	WELLESLEY
Date Ended Current:		**State:**	MA
Phone:	617-237-5100	**Country:**	
Source Type:	Notification	**Zip Code:**	02181-4078
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	NOT REQUIRED	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip Code:**	99999
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	200 W ST
Name:	EXCELITAS TECHNOLOGIES CORP HEADQUARTERS	**Street 2:**	STE E403
Date Became Current:	20101130	**City:**	WALTHAM
Date Ended Current:		**State:**	MA
Phone:	855-382-2677	**Country:**	US
Source Type:	Notification	**Zip Code:**	02451
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	
Name:	EXCELITAS TECHNOLOGIES CORP	**Street 2:**	
Date Became Current:	20101130	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	
Name:	EXCELITAS TECHNOLOGIES SENSORS INC	**Street 2:**	
Date Became Current:	20101130	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	

Historical Handler Details

Receive Dt:	20130307
Generator Code Description:	Small Quantity Generator
Handler Name:	EXCELITAS TECHNOLOGIES CORP
Receive Dt:	20110103
Generator Code Description:	Small Quantity Generator
Handler Name:	EXCELITAS TECHNOLOGIES SENSORS INC
Receive Dt:	20011129
Generator Code Description:	Small Quantity Generator
Handler Name:	PERKINELMER
Receive Dt:	19940310
Generator Code Description:	Large Quantity Generator
Handler Name:	EG&G POWER SYSTEMS, ALMOND OPERATIONS
Receive Dt:	19920229
Generator Code Description:	Large Quantity Generator
Handler Name:	EG & G POWER SYSTEMS
Receive Dt:	19910625
Generator Code Description:	Large Quantity Generator
Handler Name:	EG & G ALMOND INSTRUMENTS

1	*3 of 22*	*NNW*	*0.00 / 0.00*	*669.48 / 0*	***EG & G POWER SYSTEMS*** ***1330 EAST CYPRESS STREET*** ***COVINA CA 91724-2103***	***FINDS/FRS***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Registry ID: 110002142994
FIPS Code: 06037
HUC Code: 18070106
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 01-MAR-00
Update Date: 01-JUN-17
Interest Types: HAZARDOUS AIR POLLUTANT MAJOR, ICIS-NPDES NON-MAJOR, SQG, STATE MASTER, STORM WATER INDUSTRIAL, TRI REPORTER
SIC Codes: 3679
SIC Code Descriptions: ELECTRONIC COMPONENTS, NOT ELSEWHERE CLASSIFIED
NAICS Codes: 335999
NAICS Code Descriptions: ALL OTHER MISCELLANEOUS ELECTRICAL EQUIPMENT AND COMPONENT MANUFACTURING.
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 32
Census Block Code: 060374037021003
EPA Region Code: 09
County Name: LOS ANGELES
US/Mexico Border Ind:
Latitude: 34.09579
Longitude: -117.86267
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110002142994
Program Acronyms:

CA-ENVIROVIEW:29045, CA-ENVIROVIEW:29046, EIS:302411, HWTS-DATAMART:CAD981396252, NPDES:CAZ456203, RCRAINFO: CAD981396252, TRIS:91724PRKNL1330W

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	4 of 22	NNW	0.00 / 0.00	669.48 / 0	1330 E CYPRESS ST COVINA CA 91724	LA HMS

Site No: 021302
Area: 6B

Detail Info

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 030142
File Name: EG&G POWER SYSTEM

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	5 of 22	NNW	0.00 / 0.00	669.48 / 0	1X E G M G ALMOND INST 1330 E CYPRESS ST COVINA CA 917240000	HAZNET

SIC Code:
NAICS Code:
EPA ID: CAX000238121
Create Date: 6/7/1985
Fac Act Ind: No
Inact Date: 6/30/1998
Mailing City: COVINA
Mailing State: CA
Mailing Zip: 917240000
Region Code: 3
Owner Name: --
Owner Addr 1: --

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

County Code:	19	**Owner Addr 2:**	
County Name:	Los Angeles	**Owner City:**	--
Mail Name:		**Owner State:**	99
Mailing Addr 1:	SHERRIL COFFMAN	**Owner Zip:**	--
Mailing Addr 2:		**Owner Phone:**	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	SHERRIL COFFMAN
Street Address 1:	INACT PER 98VQ FINAL NOTICE
Street Address 2:	- BATCH 4/27
City:	--
State:	99
Zip:	--
Phone:	8189679521
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	6 of 22	NNW	0.00 / 0.00	669.48 / 0	EXCELITAS TECHNOLOGIES CORP 1330 E CYPRESS ST COVINA CA 917240000	HAZNET

SIC Code:	3679	**Mailing City:**	COVINA
NAICS Code:	334419	**Mailing State:**	CA
EPA ID:	CAD981396252	**Mailing Zip:**	917242103
Create Date:	4/10/1987	**Region Code:**	3
Fac Act Ind:	Yes	**Owner Name:**	EXCELITAS TECHNOLOGIES CORP HD QTRS
Inact Date:		**Owner Addr 1:**	200 WEST ST
County Code:	19	**Owner Addr 2:**	E403
County Name:	Los Angeles	**Owner City:**	WALTHAM
Mail Name:	DAVID FUSSEL	**Owner State:**	MA
Mailing Addr 1:	1330 E CYPRESS ST	**Owner Zip:**	02451
Mailing Addr 2:		**Owner Phone:**	8553822677
Owner Fax:			

Contact Information

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Contact Name:	GARY L KOZLOWSKI
Street Address 1:	1330 E CYPRESS ST
Street Address 2:	
City:	COVINA
State:	CA
Zip:	91724
Phone:	6265936726
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Tanner Information

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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.0365
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD981696420

TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.014
Year:	2011
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.081
Year:	2015
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.1
Year:	2007
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.02
Year:	2008
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	ARD069748192
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.015
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles

TSD EPA ID:	CAD059494310
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	D99
Method Description:	Disposal, other
Tons:	0.1
Year:	2003
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	TND000772186
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	135
State Waste Code Desc.:	Unspecified aqueous solution
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.029
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	TND000772186
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	135
State Waste Code Desc.:	Unspecified aqueous solution
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.0185
Year:	2010
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD000088252
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	135
State Waste Code Desc.:	Unspecified aqueous solution
Method Code:	H01
Method Description:	Transfer station
Tons:	0.003
Year:	1994
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	135
State Waste Code Desc.:	Unspecified aqueous solution
Method Code:	H01
Method Description:	Transfer station
Tons:	0.06
Year:	2001
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	141

State Waste Code Desc.:	Off-specification, aged or surplus inorganics
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.0085
Year:	2012
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	141
State Waste Code Desc.:	Off-specification, aged or surplus inorganics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.125
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	141
State Waste Code Desc.:	Off-specification, aged or surplus inorganics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.08836
Year:	2011
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	141
State Waste Code Desc.:	Off-specification, aged or surplus inorganics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.00417
Year:	2012
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	141
State Waste Code Desc.:	Off-specification, aged or surplus inorganics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.004
Year:	2013
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	141

State Waste Code Desc.:	Off-specification, aged or surplus inorganics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.0025
Year:	2014
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	AZD049318009
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	141
State Waste Code Desc.:	Off-specification, aged or surplus inorganics
Method Code:	H01
Method Description:	Transfer station
Tons:	0.25
Year:	1995
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	IND000646943
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	141
State Waste Code Desc.:	Off-specification, aged or surplus inorganics
Method Code:	
Method Description:	
Tons:	0.03
Year:	2010
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	171
State Waste Code Desc.:	Metal sludge (see 121)
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.054
Year:	2011
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H040
Method Description:	INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL
Tons:	0.15
Year:	2006
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H040

Method Description:	INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL
Tons:	0.015
Year:	2007
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H040
Method Description:	INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL
Tons:	0.045
Year:	2008
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	TND000772186
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H111
Method Description:	STABILIZATION OR CHEMICAL FIXATION PRIOR TO DISPOSAL AT ANOTHER SITE
Tons:	0.033
Year:	2010
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD980675276
TSD County Code:	15
TSD County:	Kern
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H132
Method Description:	LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons:	0.0595
Year:	2014
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	NVT330010000
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H132
Method Description:	LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons:	0.0365
Year:	2015
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)

Tons:	0.165
Year:	2006
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.35
Year:	2007
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.2425
Year:	2008
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.239
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD097030993
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.088
Year:	2010
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-

H135)
Tons: 0.5015
Year: 2011
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Generator EPA ID: CAD981396252
Generator County Code: 19
Generator County: Los Angeles
TSD EPA ID: CAD008364432
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 181
State Waste Code Desc.: Other inorganic solid waste
Method Code: H141
Method Description: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons: 0.58
Year: 2012
-- --
Generator EPA ID: CAD981396252
Generator County Code: 19
Generator County: Los Angeles
TSD EPA ID: CAD008364432
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 181
State Waste Code Desc.: Other inorganic solid waste
Method Code: H141
Method Description: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons: 0.3465
Year: 2013
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Generator EPA ID: CAD981396252
Generator County Code: 19
Generator County: Los Angeles
TSD EPA ID: CAD044429835
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 181
State Waste Code Desc.: Other inorganic solid waste
Method Code: H141
Method Description: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons: 0.1785
Year: 2014
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Generator EPA ID: CAD981396252
Generator County Code: 19
Generator County: Los Angeles
TSD EPA ID: UTD981552177
TSD County Code: 99
TSD County: Unknown
State Waste Code: 181
State Waste Code Desc.: Other inorganic solid waste
Method Code: H141
Method Description: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons: 0.1375
Year: 2007
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Generator EPA ID: CAD981396252
Generator County Code: 19
Generator County: Los Angeles
TSD EPA ID: ARD069748192
TSD County Code: 99
TSD County: Unknown
State Waste Code: 181
State Waste Code Desc.: Other inorganic solid waste
Method Code: H141

Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.0125
Year:	2008
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.2
Year:	2008
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	ARD069748192
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.0025
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	TND000772186
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.102
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	TXD055141378
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.025
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	TND000772186
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste

Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.1875
Year:	2010
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	AZD049318009
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	D80
Method Description:	Disposal, landfill
Tons:	0.05
Year:	2003
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD059494310
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	D99
Method Description:	Disposal, other
Tons:	0.03
Year:	2003
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H01
Method Description:	Transfer station
Tons:	0.4587
Year:	1998
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H01
Method Description:	Transfer station
Tons:	0.0075
Year:	1999
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H01
Method Description:	Transfer station
Tons:	0.6535

Year:	2000
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H01
Method Description:	Transfer station
Tons:	0.3115
Year:	2001
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H01
Method Description:	Transfer station
Tons:	0.481
Year:	2002
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H01
Method Description:	Transfer station
Tons:	0.2775
Year:	2003
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	AZD049318009
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H01
Method Description:	Transfer station
Tons:	0.0375
Year:	1995
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H01
Method Description:	Transfer station
Tons:	0.3325
Year:	2004
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Generator EPA ID:	CAD981396252
Generator County Code:	19

Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	H01
Method Description:	Transfer station
Tons:	0.5625
Year:	2005
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD003963592
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.87
Year:	1994
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	AZD049318009
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	R01
Method Description:	Recycler
Tons:	0.1325
Year:	2003
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	T03
Method Description:	Treatment, incineration
Tons:	1.8765
Year:	2000
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	T03
Method Description:	Treatment, incineration
Tons:	0.2
Year:	2001
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown

State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	T03
Method Description:	Treatment, incineration
Tons:	0.125
Year:	2004
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	T03
Method Description:	Treatment, incineration
Tons:	0.06
Year:	2005
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	T03
Method Description:	Treatment, incineration
Tons:	0.1525
Year:	2006
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	
Method Description:	
Tons:	0.59
Year:	2004
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	
Method Description:	
Tons:	0.16
Year:	2005
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	TND000772186
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	
Method Description:	

Tons:	0.005
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	211
State Waste Code Desc.:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Method Code:	R01
Method Description:	Recycler
Tons:	1.3135
Year:	1994
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	211
State Waste Code Desc.:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Method Code:	R01
Method Description:	Recycler
Tons:	0.9089
Year:	1995
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	211
State Waste Code Desc.:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Method Code:	R01
Method Description:	Recycler
Tons:	0.2251
Year:	1996
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	211
State Waste Code Desc.:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Method Code:	R01
Method Description:	Recycler
Tons:	0.4502
Year:	1997
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	211
State Waste Code Desc.:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Method Code:	R01
Method Description:	Recycler
Tons:	0.2251
Year:	1998
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Generator EPA ID:	CAD981396252

Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	TND000772186
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.0315
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	IND000646943
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.0675
Year:	2010
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	TND000772186
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.111
Year:	2010
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	R01
Method Description:	Recycler
Tons:	0.297
Year:	1994
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	R01
Method Description:	Recycler
Tons:	0.6897
Year:	1995
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432

TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	R01
Method Description:	Recycler
Tons:	0.891
Year:	1997
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	R01
Method Description:	Recycler
Tons:	0.1782
Year:	1998
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	R01
Method Description:	Recycler
Tons:	1.056
Year:	1999
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	212
State Waste Code Desc.:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Code:	
Method Description:	
Tons:	0
Year:	1993
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	IND000646943
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.0225
Year:	2010
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214

State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	R01
Method Description:	Recycler
Tons:	1.728
Year:	1993
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD089446710
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	R01
Method Description:	Recycler
Tons:	0.504
Year:	1993
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD089446710
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	
Method Description:	
Tons:	0.144
Year:	1993
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD000088252
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	
Method Description:	
Tons:	0.1
Year:	1994
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.04
Year:	2013
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	
Method Description:	
Tons:	0.025

Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	ARD981057870
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	223
State Waste Code Desc.:	Unspecified oil-containing waste
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.0015
Year:	2015
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	223
State Waste Code Desc.:	Unspecified oil-containing waste
Method Code:	
Method Description:	
Tons:	0.0625
Year:	2004
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	ARD981057870
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	223
State Waste Code Desc.:	Unspecified oil-containing waste
Method Code:	
Method Description:	
Tons:	0.02085
Year:	2014
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	261
State Waste Code Desc.:	Polychlorinated biphenyls and material containing PCBs
Method Code:	H01
Method Description:	Transfer station
Tons:	0.033
Year:	2000
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	261
State Waste Code Desc.:	Polychlorinated biphenyls and material containing PCBs
Method Code:	H01
Method Description:	Transfer station
Tons:	0.011
Year:	2001
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Generator EPA ID:	CAD981396252
Generator County Code:	19

Generator County:	Los Angeles
TSD EPA ID:	NVT330010000
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	261
State Waste Code Desc.:	Polychlorinated biphenyls and material containing PCBs
Method Code:	
Method Description:	
Tons:	0.0044
Year:	1995
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD000088252
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	272
State Waste Code Desc.:	Polymeric resin waste
Method Code:	H01
Method Description:	Transfer station
Tons:	0.05
Year:	1994
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	291
State Waste Code Desc.:	Latex waste
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.03
Year:	2014
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H040
Method Description:	INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL
Tons:	0.0275
Year:	2006
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H040
Method Description:	INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL
Tons:	0.165
Year:	2007
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99

TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H040
Method Description:	INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL
Tons:	0.265
Year:	2008
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	TXD055141378
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H040
Method Description:	INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL
Tons:	0.2225
Year:	2008
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	ARD069748192
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H040
Method Description:	INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL
Tons:	0.115
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	NED981723513
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H040
Method Description:	INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL
Tons:	0.008
Year:	2014
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.1
Year:	2011
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H061

Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.0375
Year:	2013
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.025
Year:	2006
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.035
Year:	2007
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.06
Year:	2008
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008302903
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.105
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141

Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.015
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.0908
Year:	2011
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.0776
Year:	2012
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.005
Year:	2013
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.076
Year:	2014
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD059494310
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics

Method Code:	D99
Method Description:	Disposal, other
Tons:	0.265
Year:	2003
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD000088252
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H01
Method Description:	Transfer station
Tons:	1
Year:	1993
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H01
Method Description:	Transfer station
Tons:	0.231
Year:	1998
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H01
Method Description:	Transfer station
Tons:	0.363
Year:	1999
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H01
Method Description:	Transfer station
Tons:	0.504
Year:	2000
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H01
Method Description:	Transfer station
Tons:	0.236
Year:	2001

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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H01
Method Description:	Transfer station
Tons:	1.1655
Year:	2002
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H01
Method Description:	Transfer station
Tons:	0.165
Year:	2003
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	H01
Method Description:	Transfer station
Tons:	0.06
Year:	2004
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	R01
Method Description:	Recycler
Tons:	0.475
Year:	2004
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	T03
Method Description:	Treatment, incineration
Tons:	0.0125
Year:	1999
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles

TSD EPA ID:	AZD049318009
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	T03
Method Description:	Treatment, incineration
Tons:	0.225
Year:	2003
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	T03
Method Description:	Treatment, incineration
Tons:	0.185
Year:	2003
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	T03
Method Description:	Treatment, incineration
Tons:	0.505
Year:	2004
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	T03
Method Description:	Treatment, incineration
Tons:	0.735
Year:	2005
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	T03
Method Description:	Treatment, incineration
Tons:	0.11
Year:	2006
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331

State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	
Method Description:	
Tons:	0.585
Year:	2003
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	
Method Description:	
Tons:	0.45
Year:	2004
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	331
State Waste Code Desc.:	Off-specification, aged or surplus organics
Method Code:	
Method Description:	
Tons:	0.1525
Year:	2005
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.069
Year:	2011
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.152
Year:	2012
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.051

Year:	2013
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	IND000646943
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.006
Year:	2010
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	ARD981057870
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.017
Year:	2014
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	ARD981057870
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.0805
Year:	2015
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.065
Year:	2012
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.066
Year:	2013
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.0145
Year:	2014
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	H01
Method Description:	Transfer station
Tons:	0.412
Year:	2000
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H040
Method Description:	INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL
Tons:	0.055
Year:	2007
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	ARD069748192
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H040
Method Description:	INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL
Tons:	0.1885
Year:	2014
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	ARD981057870
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.151
Year:	2014
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles

TSD EPA ID:	ARD981057870
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.2155
Year:	2015
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	NVT330010000
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H132
Method Description:	LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons:	0.006
Year:	2014
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	NVT330010000
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H132
Method Description:	LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons:	0.1985
Year:	2015
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.0395
Year:	2010
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.028
Year:	2011
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles

TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.0125
Year:	2014
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD059494310
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.076
Year:	2008
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD059494310
TSD County Code:	43
TSD County:	Santa Clara
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.01
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	TND000772186
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.11
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	TND000772186
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.1765
Year:	2010
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Generator EPA ID:	CAD981396252
Generator County Code:	19

Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H01
Method Description:	Transfer station
Tons:	0.0125
Year:	2001
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H01
Method Description:	Transfer station
Tons:	1.625
Year:	2002
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	513
State Waste Code Desc.:	Empty containers less than 30 gallons
Method Code:	H01
Method Description:	Transfer station
Tons:	0.01
Year:	2005
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	ARD069748192
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	551
State Waste Code Desc.:	Laboratory waste chemicals
Method Code:	H040
Method Description:	INCINERATION--THERMAL DESTRUCTION OTHER THAN USE AS A FUEL
Tons:	0.1175
Year:	2015
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD044429835
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	551
State Waste Code Desc.:	Laboratory waste chemicals
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.0625
Year:	2006
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008302903
TSD County Code:	19

TSD County:	Los Angeles
State Waste Code:	551
State Waste Code Desc.:	Laboratory waste chemicals
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.01
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	551
State Waste Code Desc.:	Laboratory waste chemicals
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.00417
Year:	2011
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	551
State Waste Code Desc.:	Laboratory waste chemicals
Method Code:	H01
Method Description:	Transfer station
Tons:	0.05
Year:	1998
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	551
State Waste Code Desc.:	Laboratory waste chemicals
Method Code:	H01
Method Description:	Transfer station
Tons:	0.3725
Year:	1999
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	551
State Waste Code Desc.:	Laboratory waste chemicals
Method Code:	H01
Method Description:	Transfer station
Tons:	0.1
Year:	2002
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	AZD049318009
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	551

State Waste Code Desc.: Laboratory waste chemicals
Method Code: H01
Method Description: Transfer station
Tons: 0.48
Year: 1995
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Generator EPA ID: CAD981396252
Generator County Code: 19
Generator County: Los Angeles
TSD EPA ID: AZD049318009
TSD County Code: 99
TSD County: Unknown
State Waste Code: 551
State Waste Code Desc.: Laboratory waste chemicals
Method Code: H01
Method Description: Transfer station
Tons: 0.195
Year: 1996
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Generator EPA ID: CAD981396252
Generator County Code: 19
Generator County: Los Angeles
TSD EPA ID: UTD981552177
TSD County Code: 99
TSD County: Unknown
State Waste Code: 551
State Waste Code Desc.: Laboratory waste chemicals
Method Code: T03
Method Description: Treatment, incineration
Tons: 0.201
Year: 1999
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Generator EPA ID: CAD981396252
Generator County Code: 19
Generator County: Los Angeles
TSD EPA ID: AZD049318009
TSD County Code: 99
TSD County: Unknown
State Waste Code: 551
State Waste Code Desc.: Laboratory waste chemicals
Method Code: T03
Method Description: Treatment, incineration
Tons: 0.255
Year: 2003
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Generator EPA ID: CAD981396252
Generator County Code: 19
Generator County: Los Angeles
TSD EPA ID: UTD981552177
TSD County Code: 99
TSD County: Unknown
State Waste Code: 551
State Waste Code Desc.: Laboratory waste chemicals
Method Code:
Method Description:
Tons: 1.034
Year: 1998
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Generator EPA ID: CAD981396252
Generator County Code: 19
Generator County: Los Angeles
TSD EPA ID: CAD050806850
TSD County Code: 19
TSD County: Los Angeles
State Waste Code: 724
State Waste Code Desc.: Liquids with lead >= 500 Mg./L
Method Code: H01
Method Description: Transfer station
Tons: 0.1

Year:	2000
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	725
State Waste Code Desc.:	Liquids with mercury >= 20 Mg./L
Method Code:	H01
Method Description:	Transfer station
Tons:	0.2
Year:	2000
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	741
State Waste Code Desc.:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Method Code:	H01
Method Description:	Transfer station
Tons:	0.2085
Year:	1998
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	791
State Waste Code Desc.:	Liquids with pH <= 2
Method Code:	T01
Method Description:	Treatment, tank
Tons:	0.00417
Year:	2002
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	UTD981552177
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	792
State Waste Code Desc.:	Liquids with pH <= 2 with metals
Method Code:	H01
Method Description:	Transfer station
Tons:	0.035
Year:	2005
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	AZ0000337360
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	
State Waste Code Desc.:	
Method Code:	H010
Method Description:	METALS RECOVERY INCLUDING RETORING,SMELTING,CHEMICALS,ECT
Tons:	0.0355
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Generator County:	Los Angeles
TSD EPA ID:	AZ0000337360
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	
State Waste Code Desc.:	
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.004
Year:	2009
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	AZ0000337360
TSD County Code:	99
TSD County:	Unknown
State Waste Code:	
State Waste Code Desc.:	
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.2715
Year:	2010
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	
State Waste Code Desc.:	
Method Code:	H01
Method Description:	Transfer station
Tons:	0.394
Year:	2000
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Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	
State Waste Code Desc.:	
Method Code:	H01
Method Description:	Transfer station
Tons:	0.1
Year:	2001
--	--
Generator EPA ID:	CAD981396252
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD050806850
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	
State Waste Code Desc.:	
Method Code:	
Method Description:	
Tons:	0
Year:	2000
--	--

1	***7 of 22***	***NNW***	***0.00 / 0.00***	***669.48 / 0***	***EG & G ALMOND INSTRUMENTS 1330 E. CYPRESS ST.***	***HAZNET***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					COVINA CA 917240000	

SIC Code:
NAICS Code:
EPA ID: CAD980676274
Create Date: 2/4/1983
Fac Act Ind: No
Inact Date: 6/30/1996
County Code: 19
County Name: Los Angeles
Mail Name:
Mailing Addr 1: 1330 E. CYPRESS ST.
Mailing Addr 2:
Owner Fax:

Mailing City: COVINA
Mailing State: CA
Mailing Zip: 917240000
Region Code: 3
Owner Name: --
Owner Addr 1: --
Owner Addr 2:
Owner City: --
Owner State: 99
Owner Zip: --
Owner Phone: 0000000000

Contact Information
-- --
Contact Name: INACTIVE PER 1996 FEES FORM
Street Address 1: 1330 E . CYPRESS ST.
Street Address 2:
City: COVINA
State: CA
Zip: 917240000
Phone: 8189679521
-- --

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	8 of 22	NNW	0.00 / 0.00	669.48 / 0	1330 E CYPRESS ST COVINA CA 917240000	HIST MANIFEST

Gen EPA ID: CAX000238121
Create Date: 06/07/1985 0:00
Inact Date: 6/30/1998 0:00:00
Facility Mail Street: SHERRIL COFFMAN
Facility Mail City: COVINA
Facility Mail State: CA
Facility Mail Zip: 917240000
Contact Phone(s): 8189679521
File Year(s): 1985; 1986
Contact Name(s): SHERRIL COFFMAN

Tanner Information

Method Description:
Tons: 0
Year: 1986
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0.8
Year: 1986
Generator County Code: 19
Generator County: Los Angeles
Method Code: D80
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 551

State Waste Code Desc: Laboratory waste chemicals
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 2.25
Year: 1985
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 211
State Waste Code Desc: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0
Year: 1986
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 0
Year: 1985
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 1.07
Year: 1986
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 211
State Waste Code Desc: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID: CAD008364432

1	9 of 22	NNW	0.00 / 0.00	669.48 / 0	1330 E CYPRESS ST COVINA CA 917240000	HIST MANIFEST

Gen EPA ID: CAD981396252

Create Date:	04/10/1987 0:00
Inact Date:	
Facility Mail Street:	1330 E CYPRESS ST
Facility Mail City:	COVINA
Facility Mail State:	CA
Facility Mail Zip:	917242103
Contact Phone(s):	6265935378
File Year(s):	1986; 1987; 1988; 1989; 1990; 1991; 1992
Contact Name(s):	DAVID FUSSEL

Tanner Information

Method Description:	
Tons:	0.83
Year:	1989
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	1
Tsd County Code:	19
Tsd County:	Los Angeles
State Waste Code:	211
State Waste Code Desc:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID:	CAD008364432

Tanner Information

Method Description:	
Tons:	1.35
Year:	1989
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	R01
Tsd County Code:	19
Tsd County:	Los Angeles
State Waste Code:	214
State Waste Code Desc:	Unspecified solvent mixture
Tsd Epa ID:	CAD008364432

Tanner Information

Method Description:	
Tons:	1.05
Year:	1989
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	D80
Tsd County Code:	42
Tsd County:	Santa Barbara
State Waste Code:	271
State Waste Code Desc:	Organic monomer waste (includes unreacted resins)
Tsd Epa ID:	CAD020748125

Tanner Information

Method Description:	
Tons:	1.8
Year:	1992
Generator County Code:	19
Generator County:	Los Angeles
Method Code:	R01
Tsd County Code:	19
Tsd County:	Los Angeles
State Waste Code:	214
State Waste Code Desc:	Unspecified solvent mixture

Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0
Year: 1992
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 37
Tsd County: San Diego
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080010101

Tanner Information

Method Description:
Tons: 1.58
Year: 1992
Generator County Code: 19
Generator County: Los Angeles
Method Code: H01
Tsd County Code: 37
Tsd County: San Diego
State Waste Code: 331
State Waste Code Desc: Off-specification, aged or surplus organics
Tsd Epa ID: CAT080010101

Tanner Information

Method Description:
Tons: 0.22
Year: 1992
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 214
State Waste Code Desc: Unspecified solvent mixture
Tsd Epa ID: CAT080011059

Tanner Information

Method Description:
Tons: 6.04
Year: 1991
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 211
State Waste Code Desc: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0.2
Year: 1989

Generator County Code: 19
Generator County: Los Angeles
Method Code: 1
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0
Year: 1989
Generator County Code: 19
Generator County: Los Angeles
Method Code: 3
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 271
State Waste Code Desc: Organic monomer waste (includes unreacted resins)
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 0.2
Year: 1991
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 212
State Waste Code Desc: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0
Year: 1991
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 0
Tsd County:
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: PAD075486217

Tanner Information

Method Description:
Tons: 1.35
Year: 1992
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 211
State Waste Code Desc: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 1.04
Year: 1990
Generator County Code: 19
Generator County: Los Angeles
Method Code: D99
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 211
State Waste Code Desc: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0
Year: 1990
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0
Year: 1992
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 2.35
Year: 1992
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 211
State Waste Code Desc: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 1.04
Year: 1991
Generator County Code: 19

Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 271
State Waste Code Desc: Organic monomer waste (includes unreacted resins)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0.91
Year: 1991
Generator County Code: 19
Generator County: Los Angeles
Method Code: 1
Tsd County Code: 0
Tsd County:
State Waste Code: 181
State Waste Code Desc: Other inorganic solid waste
Tsd Epa ID: PAD075486217

Tanner Information

Method Description:
Tons: 7.71
Year: 1989
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 211
State Waste Code Desc: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0.56
Year: 1989
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 212
State Waste Code Desc: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0.06
Year: 1992
Generator County Code: 19
Generator County: Los Angeles
Method Code: H01
Tsd County Code: 37
Tsd County: San Diego
State Waste Code: 122
State Waste Code Desc: Alkaline solution without metals pH >= 12.5
Tsd Epa ID: CAT080010101

Tanner Information

Method Description:
Tons: 0
Year: 1992
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAT080011059

Tanner Information

Method Description:
Tons: 0
Year: 1989
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0.42
Year: 1989
Generator County Code: 19
Generator County: Los Angeles
Method Code: D80
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 121
State Waste Code Desc: Alkaline solution (pH >= 12.5) with metals
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 3.75
Year: 1988
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 211
State Waste Code Desc: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0
Year: 1986
Generator County Code: 19
Generator County: Los Angeles

Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0.87
Year: 1986
Generator County Code: 19
Generator County: Los Angeles
Method Code: D80
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 551
State Waste Code Desc: Laboratory waste chemicals
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 0.83
Year: 1987
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 211
State Waste Code Desc: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0
Year: 1990
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 212
State Waste Code Desc: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0.22
Year: 1990
Generator County Code: 19
Generator County: Los Angeles
Method Code: D99
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 212
State Waste Code Desc: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0
Year: 1988
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0.06
Year: 1991
Generator County Code: 19
Generator County: Los Angeles
Method Code: T01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 122
State Waste Code Desc: Alkaline solution without metals pH >= 12.5
Tsd Epa ID: CAD097030993

Tanner Information

Method Description:
Tons: 0.22
Year: 1992
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 212
State Waste Code Desc: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0
Year: 1992
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 0
Tsd County:
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: PAD075486217

Tanner Information

Method Description:
Tons: 0.83
Year: 1988
Generator County Code: 19
Generator County: Los Angeles
Method Code: 1

Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 211
State Waste Code Desc: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0.21
Year: 1989
Generator County Code: 19
Generator County: Los Angeles
Method Code: D80
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 212
State Waste Code Desc: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 0
Year: 1989
Generator County Code: 19
Generator County: Los Angeles
Method Code: 3
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code: 352
State Waste Code Desc: Other organic solids
Tsd Epa ID: CAD020748125

Tanner Information

Method Description:
Tons: 1.04
Year: 1986
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 211
State Waste Code Desc: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0
Year: 1991
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0
Year: 1987
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0.22
Year: 1989
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 271
State Waste Code Desc: Organic monomer waste (includes unreacted resins)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0.52
Year: 1992
Generator County Code: 19
Generator County: Los Angeles
Method Code: 1
Tsd County Code: 0
Tsd County:
State Waste Code: 181
State Waste Code Desc: Other inorganic solid waste
Tsd Epa ID: PAD075486217

Tanner Information

Method Description:
Tons: 1.04
Year: 1990
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 211
State Waste Code Desc: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 5.42
Year: 1990
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tsd County: Los Angeles
State Waste Code: 211
State Waste Code Desc: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0.85
Year: 1990
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 212
State Waste Code Desc: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0.62
Year: 1991
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 212
State Waste Code Desc: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Tsd Epa ID: CAD008364432

Tanner Information

Method Description:
Tons: 0
Year: 1991
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD097030993

Tanner Information

Method Description:
Tons: 0
Year: 1986
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 42
Tsd County: Santa Barbara
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD020748125

1	*10 of 22*	*NNW*	*0.00 / 0.00*	*669.48 / 0*	*1330 E. CYPRESS ST. COVINA CA 917240000*	*HIST MANIFEST*

Gen EPA ID: CAD980676274
Create Date: 02/04/1983 0:00
Inact Date: 6/30/1996 0:00:00
Facility Mail Street: 1330 E. CYPRESS ST.
Facility Mail City: COVINA
Facility Mail State: CA
Facility Mail Zip: 917240000
Contact Phone(s): 8189679521
File Year(s): 1982; 1983; 1984
Contact Name(s): INACTIVE PER 1996 FEES FORM

Tanner Information

Method Description:
Tons: 1
Year: 1983
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 211
State Waste Code Desc: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Tsd Epa ID: CAD008302903

Tanner Information

Method Description:
Tons: 1.35
Year: 1984
Generator County Code: 19
Generator County: Los Angeles
Method Code: 1
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 214
State Waste Code Desc: Unspecified solvent mixture
Tsd Epa ID: CAD008302903

Tanner Information

Method Description:
Tons: 1.66
Year: 1983
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 214
State Waste Code Desc: Unspecified solvent mixture
Tsd Epa ID: CAD008302903

Tanner Information

Method Description:
Tons: 0
Year: 1982
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD008302903

Tanner Information

Method Description:
Tons: 1
Year: 1982
Generator County Code: 19
Generator County: Los Angeles
Method Code: R01
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code: 214
State Waste Code Desc: Unspecified solvent mixture
Tsd Epa ID: CAD008302903

Tanner Information

Method Description:
Tons: 0
Year: 1983
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD008302903

Tanner Information

Method Description:
Tons: 0
Year: 1984
Generator County Code: 19
Generator County: Los Angeles
Method Code:
Tsd County Code: 19
Tsd County: Los Angeles
State Waste Code:
State Waste Code Desc:
Tsd Epa ID: CAD008302903

1	11 of 22	NNW	0.00 / 0.00	669.48 / 0	EG & G POWER SYSTEM 1330 E CYPRESS ST COVINA CA 91724	EMISSIONS

1990 Criteria Data

Facility ID: 35087
Facility SIC Code: 3674
CO: 19
Air Basin: SC
District: SC
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:

CERR Code:
TOGT: 18.3
ROGT: 3.8
COT:
NOXT:
SOXT:
PMT:
PM10T:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

1990 Toxic Data

Facility ID:	35087	***COID:***	LA
Facility SIC Code:	3674	***DISN:***	SOUTH COAST AQMD
CO:	19	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	12 of 22	NNW	0.00 / 0.00	669.48 / 0	EG & G POWER SYSTEMS 1330 E CYPRESS ST COVINA CA 91724	EMISSIONS

1993 Criteria Data

Facility ID:	35087	***CERR Code:***	
Facility SIC Code:	3674	***TOGT:***	9.6
CO:	19	***ROGT:***	.8
Air Basin:	SC	***COT:***	0
District:	SC	***NOXT:***	0
COID:	LA	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1993 Toxic Data

Facility ID:	35087	***COID:***	LA
Facility SIC Code:	3674	***DISN:***	SOUTH COAST AQMD
CO:	19	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1995 Criteria Data

Facility ID:	35087	***CERR Code:***	
Facility SIC Code:	3674	***TOGT:***	9.6
CO:	19	***ROGT:***	.8
Air Basin:	SC	***COT:***	0
District:	SC	***NOXT:***	0
COID:	LA	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1995 Toxic Data

Facility ID:	35087	***COID:***	LA
Facility SIC Code:	3674	***DISN:***	SOUTH COAST AQMD
CO:	19	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1996 Criteria Data

Facility ID:	35087	***CERR Code:***	
Facility SIC Code:	3674	***TOGT:***	9.1
CO:	19	***ROGT:***	.5
Air Basin:	SC	***COT:***	.004
District:	SC	***NOXT:***	.016
COID:	LA	***SOXT:***	.0001
DISN:	SOUTH COAST AQMD	***PMT:***	.001
CHAPIS:		***PM10T:***	.001

1996 Toxic Data

Facility ID:	35087	***COID:***	LA
Facility SIC Code:	3674	***DISN:***	SOUTH COAST AQMD
CO:	19	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1997 Criteria Data

Facility ID:	35087	***CERR Code:***	
Facility SIC Code:	3674	***TOGT:***	6.956
CO:	19	***ROGT:***	4.9179262
Air Basin:	SC	***COT:***	.004
District:	SC	***NOXT:***	.016
COID:	LA	***SOXT:***	.0001
DISN:	SOUTH COAST AQMD	***PMT:***	.001
CHAPIS:		***PM10T:***	.00095

1997 Toxic Data

Facility ID:	35087	***COID:***	LA
Facility SIC Code:	3674	***DISN:***	SOUTH COAST AQMD
CO:	19	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Criteria Data

Facility ID:	35087	***CERR Code:***	
Facility SIC Code:	3674	***TOGT:***	6.956
CO:	19	***ROGT:***	4.9179262
Air Basin:	SC	***COT:***	.004
District:	SC	***NOXT:***	.016
COID:	LA	***SOXT:***	.0001
DISN:	SOUTH COAST AQMD	***PMT:***	.001
CHAPIS:		***PM10T:***	.00095

1998 Toxic Data

Facility ID:	35087	***COID:***	LA
Facility SIC Code:	3674	***DISN:***	SOUTH COAST AQMD
CO:	19	***CHAPIS:***	

Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
CERR Code:

1999 Criteria Data

Facility ID: 35087
Facility SIC Code: 3674
CO: 19
Air Basin: SC
District: SC
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: 6.956
ROGT: 4.9179262
COT: .004
NOXT: .016
SOXT: .0001
PMT: .001
PM10T: .00095

1999 Toxic Data

Facility ID: 35087
Facility SIC Code: 3674
CO: 19
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

2000 Criteria Data

Facility ID: 35087
Facility SIC Code: 3674
CO: 19
Air Basin: SC
District: SC
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: 6.956
ROGT: 4.91
COT: .004
NOXT: .016
SOXT: .0001
PMT: .001
PM10T: 0

2000 Toxic Data

Facility ID: 35087
Facility SIC Code: 3674
CO: 19
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

2001 Criteria Data

Facility ID: 35087
Facility SIC Code: 3674
CO: 19
Air Basin: SC
District: SC
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: 1.75
ROGT: 1.24
COT: 0
NOXT: .02
SOXT: 0
PMT: 0
PM10T: 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2001 Toxic Data

Facility ID:	35087	***COID:***	LA
Facility SIC Code:	3674	***DISN:***	SOUTH COAST AQMD
CO:	19	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	13 of 22	NNW	0.00 / 0.00	669.48 / 0	E G & G ALMOND INSTRUMENTS 1330 E CYPRESS ST COVINA CA 91724	EMISSIONS

1987 Criteria Data

Facility ID:	35087	***CERR Code:***	
Facility SIC Code:	3674	***TOGT:***	1.6
CO:	19	***ROGT:***	1.0376
Air Basin:	SC	***COT:***	
District:	SC	***NOXT:***	
COID:	LA	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1987 Toxic Data

Facility ID:	35087	***COID:***	LA
Facility SIC Code:	3674	***DISN:***	SOUTH COAST AQMD
CO:	19	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	14 of 22	NNW	0.00 / 0.00	669.48 / 0	PERKIN ELMER 1330 E CYPRESS ST COVINA CA 91724	EMISSIONS

2004 Criteria Data

Facility ID:	35087	***CERR Code:***	
Facility SIC Code:	3679	***TOGT:***	.774435203
CO:	19	***ROGT:***	.4239705731228
Air Basin:	SC	***COT:***	.00245
District:	SC	***NOXT:***	.0091
COID:	LA	***SOXT:***	.00004
DISN:	SOUTH COAST AQMD	***PMT:***	.011875
CHAPIS:		***PM10T:***	.00775014

2004 Toxic Data

Facility ID:	35087	***COID:***	LA
Facility SIC Code:	3679	***DISN:***	SOUTH COAST AQMD

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CO: 19
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
CHAPIS:
CERR Code:

1	*15 of 22*	*NNW*	*0.00 / 0.00*	*669.48 / 0*	*EXCELITAS TECHNOLOGIES SENS30S, INC 1330 E CYPRESS ST COVINA CA 91724*	*EMISSIONS*

2015 Toxic Data

Facility ID: 166394
Facility SIC Code: 3679
CO: 19
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

1	*16 of 22*	*NNW*	*0.00 / 0.00*	*669.48 / 0*	*EXCELITAS TECHNOLOGIES CORPORATION 1330 E CYPRESS ST COVINA CA 91724*	*EMISSIONS*

2016 Toxic Data

Facility ID: 166394
Facility SIC Code: 3679
CERR CODE:
COID: LA
CO: 19
DISN: SOUTH COAST AQMD
CHAPIS:
TS:
HRA:
CH Index:
AH Index:
Air Basin: SC
District: SC

1	*17 of 22*	*NNW*	*0.00 / 0.00*	*669.48 / 0*	*EXCELITAS TECHNOLOGIES CORP 1330 E CYPRESS ST COVINA CA 91724*	*LA COUNTY CUPA*

Facility ID: FA0008553
CERS ID: 10266505

Active Facility Details

PE: 3002

PE: 1003

Inactive Facility Details

PE: 2002

PE: 3500

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	18 of 22	NNW	0.00 / 0.00	669.48 / 0	T-MOBILE WEST (SITE ID#IE04095A) 1330 E CYPRESS TM COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0041190
CERS ID: 10408051

Inactive Facility Details

PE: 3000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	19 of 22	NNW	0.00 / 0.00	669.48 / 0	EXCELITAS TECHNOLOGIES CORP-COVINA 1330 E CYPRESS ST COVINA CA 91724	TRIS

TRI FD: 91724PRKNL1330W
FRS_ID: 110002142994
Facility Name: EXCELITAS TECHNOLOGIES CORP-COVINA
Street Address: 1330 E CYPRESS ST
City: COVINA
County: LOS ANGELES
State: CA
Zip: 91724
Latitude: 34.09579
Longitude: -117.86263
BIA:
Tribe:
Record Source(s): TRI Federal Download / TRI Mapserver

Pgm Sys ID (Map): 91724PRKNL1330W
Registry ID (Map): 110002142994
Primary Name (Map): EXCELITAS TECHNOLOGIES CORP
Location Addr (Map): 1330 EAST CYPRESS STREET
City Name (Map): COVINA
County Name (Map): LOS ANGELES
State Code (Map): CA
Postal Code (Map): 91724-2103
Latitude83 (Map): 34.09579
Longitude83 (Map): -117.86263
FIPS Code (Map): 06037

MapServer Details

Interest Type: TRI REPORTER
Active Status: ACTIVE
Pgm Sys Acrnm: TRIS
Pgm Report: no data yet
Public Ind: Y
Fac URL: http://oaspub.epa.gov/enviro/fac_gateway.main?p_regid=110002142994

HUC8 Code: 18070106
Accuracy Value: 30
Collect Mth Desc: ADDRESS MATCHING-HOUSE NUMBER
Ref Point Desc: CENTER OF A FACILITY OR STATION

1988 Details

TRI FD: 91724PRKNL1330W
Sic 2:
8.7 Treatment Off Site: 0
Sic 3:
Sic 4:
Sic 5:
Sic 6:
Primary NAICS: 334419
Naics 2:
Naics 3:
Naics 4:
Naics 5:
Year: 1988
Naics 6:
Doc Ctrl No: 1388025023553
Chemical: 1,1,1-TRICHLOROETHANE
Elemental Metal Included: NO
Cas No Compound ID: 000071556
SRS ID: 4796
Clean Air Act Chemical: YES

Classification:	TRI
Metal:	NO
Metal Category:	0
Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
Carcinogen:	NO
Form Type:	R
Unit of Measure:	Pounds
5.1 Fugitive Air:	4545
5.2 Stack Air:	0
5.3 Water:	0
5.4 Underground:	0
5.4.1 Underground CL I:	0
5.4.2 Underground C II-V:	0
5.5.1 Landfills:	0
Parent Co Db No:	965829216
5.5.1a RCRA C Landfill:	0
5.5.1b Other Landfills:	0
5.5.2 Land Treatment:	0
5.5.3 Surface Impndmnt:	0
5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	4545
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	0
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	0
6.2 M99:	0
Industry Sector Code:	334
Off Site Release Total:	0
6.2 M20:	0
6.2 M24:	0
6.2 M26:	0
6.2 M28:	0
6.2 M93:	0
Off Site Recycled Total:	0
6.2 M56:	0
6.2 M92:	0
Off Site Energy Recovery :	0
Industry Sector:	Computers and Electronic Products
6.2 M40 Non Metal:	0
6.2 M50:	17634
6.2 M54:	0
6.2 M61 Non Metal:	0
6.2 M69:	0
6.2 M95:	0
Off Site Treated Total:	17634
6.2 Unclassified:	0
6.2 Total Transfer:	17634
Total Releases:	4545

Primary SIC:	INVA
8.1 Releases:	0
8.1a On Site Contained:	0
8.1b On Site Other :	0
8.1c Off Site Contain:	0
8.1d Off Site Other R:	0
8.2 Energy Recover On:	0
8.3 Energy Recover Of:	0
8.4 Recycling On Site:	0
8.5 Recycling Off Sit:	0
8.6 Treatment On Site:	0

Production Wste (8.1- 8.7):

0

8.9 Production Ratio:

Prod Ratio Or Activity:

8.8 One Time Release:

1989 Details

TRI FD:	91724PRKNL1330W
Sic 2:	
8.7 Treatment Off Site:	0
Sic 3:	
Sic 4:	
Sic 5:	
Sic 6:	
Primary NAICS:	334419
Naics 2:	
Naics 3:	
Naics 4:	
Naics 5:	
Year:	1989
Naics 6:	
Doc Ctrl No:	1389035013109
Chemical:	1,1,1-TRICHLOROETHANE
Elemental Metal Included:	NO
Cas No Compound ID:	000071556
SRS ID:	4796
Clean Air Act Chemical:	YES
Classification:	TRI
Metal:	NO
Metal Category:	0
Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
Carcinogen:	NO
Form Type:	R
Unit of Measure:	Pounds
5.1 Fugitive Air:	16065
5.2 Stack Air:	0
5.3 Water:	0
5.4 Underground:	0
5.4.1 Underground CL I:	0
5.4.2 Underground C II-V:	0
5.5.1 Landfills:	0
Parent Co Db No:	965829216
5.5.1a RCRA C Landfill:	0
5.5.1b Other Landfills:	0
5.5.2 Land Treatment:	0
5.5.3 Surface Impndmnt:	0
5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	16065
6.1 POTW TRNS RLSE:	0

6.1 POTW TRNS TRT: 0
Standard Parent Co Name: EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers: 0
6.2 M10: 0
6.2 M41: 0
6.2 M62: 0
6.2 M40 Metal: 0
6.2 M61 Metal: 0
6.2 M71: 0
6.2 M81: 0
6.2 M82: 0
6.2 M72: 0
Federal Facility: NO
6.2 M63: 0
6.2 M66: 0
6.2 M67: 0
6.2 M64: 0
6.2 M65: 0
6.2 M73: 0
6.2 M79: 0
6.2 M90: 0
6.2 M94: 0
6.2 M99: 0
Industry Sector Code: 334
Off Site Release Total: 0
6.2 M20: 0
6.2 M24: 0
6.2 M26: 0
6.2 M28: 0
6.2 M93: 0
Off Site Recycled Total: 0
6.2 M56: 0
6.2 M92: 0
Off Site Energy Recovery : 0
Industry Sector: Computers and Electronic Products
6.2 M40 Non Metal: 0
6.2 M50: 0
6.2 M54: 0
6.2 M61 Non Metal: 0
6.2 M69: 0
6.2 M95: 0
Off Site Treated Total: 0
6.2 Unclassified: 0
6.2 Total Transfer: 0
Total Releases: 16065
Primary SIC: INVA
8.1 Releases: 0
8.1a On Site Contained: 0
8.1b On Site Other : 0
8.1c Off Site Contain: 0
8.1d Off Site Other R: 0
8.2 Energy Recover On: 0
8.3 Energy Recover Of: 0
8.4 Recycling On Site: 0
8.5 Recycling Off Sit: 0
8.6 Treatment On Site: 0
Production Wste (8.1- 8.7):

0

8.9 Production Ratio:

Prod Ratio Or Activity:

8.8 One Time Release:

1990 Details

TRI FD:	91724PRKNL1330W
Sic 2:	NA
8.7 Treatment Off Site:	0
Sic 3:	
Sic 4:	
Sic 5:	
Sic 6:	
Primary NAICS:	334419
Naics 2:	
Naics 3:	
Naics 4:	
Naics 5:	
Year:	1990
Naics 6:	
Doc Ctrl No:	1390040088130
Chemical:	1,1,1-TRICHLOROETHANE
Elemental Metal Included:	NO
Cas No Compound ID:	000071556
SRS ID:	4796
Clean Air Act Chemical:	YES
Classification:	TRI
Metal:	NO
Metal Category:	0
Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
Carcinogen:	NO
Form Type:	R
Unit of Measure:	Pounds
5.1 Fugitive Air:	20508
5.2 Stack Air:	0
5.3 Water:	0
5.4 Underground:	0
5.4.1 Underground CL I:	0
5.4.2 Underground C II-V:	0
5.5.1 Landfills:	0
Parent Co Db No:	965829216
5.5.1a RCRA C Landfill:	0
5.5.1b Other Landfills:	0
5.5.2 Land Treatment:	0
5.5.3 Surface Impndmnt:	0
5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	20508
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	0
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	0
6.2 M99:	0
Industry Sector Code:	334

Off Site Release Total:	0
6.2 M20:	0
6.2 M24:	0
6.2 M26:	0
6.2 M28:	0
6.2 M93:	0
Off Site Recycled Total:	0
6.2 M56:	0
6.2 M92:	0
Off Site Energy Recovery :	0
Industry Sector:	Computers and Electronic Products
6.2 M40 Non Metal:	0
6.2 M50:	0
6.2 M54:	0
6.2 M61 Non Metal:	0
6.2 M69:	0
6.2 M95:	0
Off Site Treated Total:	0
6.2 Unclassified:	0
6.2 Total Transfer:	0
Total Releases:	20508
Primary SIC:	3679
8.1 Releases:	0
8.1a On Site Contained:	0
8.1b On Site Other :	0
8.1c Off Site Contain:	0
8.1d Off Site Other R:	0
8.2 Energy Recover On:	0
8.3 Energy Recover Of:	0
8.4 Recycling On Site:	0
8.5 Recycling Off Sit:	0
8.6 Treatment On Site:	0

Production Wste (8.1- 8.7):

0

8.9 Production Ratio:

Prod Ratio Or Activity:

8.8 One Time Release:

1991 Details

TRI FD:	91724PRKNL1330W
Sic 2:	
8.7 Treatment Off Site:	0
Sic 3:	
Sic 4:	
Sic 5:	
Sic 6:	
Primary NAICS:	334419
Naics 2:	
Naics 3:	
Naics 4:	
Naics 5:	
Year:	1991
Naics 6:	
Doc Ctrl No:	1391055574661
Chemical:	1,1,1-TRICHLOROETHANE
Elemental Metal Included:	NO
Cas No Compound ID:	000071556
SRS ID:	4796
Clean Air Act Chemical:	YES
Classification:	TRI
Metal:	NO
Metal Category:	0

Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
Carcinogen:	NO
Form Type:	R
Unit of Measure:	Pounds
5.1 Fugitive Air:	16361
5.2 Stack Air:	0
5.3 Water:	0
5.4 Underground:	0
5.4.1 Underground CL I:	0
5.4.2 Underground C II-V:	0
5.5.1 Landfills:	0
Parent Co Db No:	965829216
5.5.1a RCRA C Landfill:	0
5.5.1b Other Landfills:	0
5.5.2 Land Treatment:	0
5.5.3 Surface Impndmnt:	0
5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	16361
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	0
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	0
6.2 M99:	0
Industry Sector Code:	334
Off Site Release Total:	0
6.2 M20:	10840
6.2 M24:	0
6.2 M26:	0
6.2 M28:	0
6.2 M93:	0
Off Site Recycled Total:	10840
6.2 M56:	0
6.2 M92:	0
Off Site Energy Recovery :	0
Industry Sector:	Computers and Electronic Products
6.2 M40 Non Metal:	0
6.2 M50:	0
6.2 M54:	0
6.2 M61 Non Metal:	0
6.2 M69:	0
6.2 M95:	0
Off Site Treated Total:	0
6.2 Unclassified:	0
6.2 Total Transfer:	10840
Total Releases:	16361
Primary SIC:	3679
8.1 Releases:	16361
8.1a On Site Contained:	0

8.1b On Site Other : 0
8.1c Off Site Contain: 0
8.1d Off Site Other R: 0
8.2 Energy Recover On: 0
8.3 Energy Recover Of: 0
8.4 Recycling On Site: 0
8.5 Recycling Off Sit: 0
8.6 Treatment On Site: 0
Production Wste (8.1- 8.7):

16361

8.9 Production Ratio:

1.15

Prod Ratio Or Activity:

8.8 One Time Release:

1992 Details

TRI FD: 91724PRKNL1330W
Sic 2: NA
8.7 Treatment Off Site: 0
Sic 3:
Sic 4:
Sic 5:
Sic 6:
Primary NAICS: 334419
Naics 2:
Naics 3:
Naics 4:
Naics 5:
Year: 1992
Naics 6:
Doc Ctrl No: 1392060283518
Chemical: 1,1,1-TRICHLOROETHANE
Elemental Metal Included: NO
Cas No Compound ID: 000071556
SRS ID: 4796
Clean Air Act Chemical: YES
Classification: TRI
Metal: NO
Metal Category: 0
Parent Co Name: EXCELITAS TECHNOLOGIES CORP
Carcinogen: NO
Form Type: R
Unit of Measure: Pounds
5.1 Fugitive Air: 13139
5.2 Stack Air: 0
5.3 Water: 0
5.4 Underground: 0
5.4.1 Underground CL I: 0
5.4.2 Underground C II-V: 0
5.5.1 Landfills: 0
Parent Co Db No: 965829216
5.5.1a RCRA C Landfill: 0
5.5.1b Other Landfills: 0
5.5.2 Land Treatment: 0
5.5.3 Surface Impndmnt: 0
5.5.3a RCRA Surface IM: 0
5.5.3b Other Surface I: 0
5.5.4 Other Disposal: 0
On Site Release Total: 13139
6.1 POTW TRNS RLSE: 0
6.1 POTW TRNS TRT: 0
Standard Parent Co Name: EXCELITAS TECHNOLOGIES CORP

POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	0
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	0
6.2 M99:	0
Industry Sector Code:	334
Off Site Release Total:	0
6.2 M20:	3024
6.2 M24:	0
6.2 M26:	0
6.2 M28:	0
6.2 M93:	0
Off Site Recycled Total:	3024
6.2 M56:	0
6.2 M92:	0
Off Site Energy Recovery :	0
Industry Sector:	Computers and Electronic Products
6.2 M40 Non Metal:	0
6.2 M50:	0
6.2 M54:	0
6.2 M61 Non Metal:	0
6.2 M69:	0
6.2 M95:	0
Off Site Treated Total:	0
6.2 Unclassified:	0
6.2 Total Transfer:	3024
Total Releases:	13139
Primary SIC:	3679
8.1 Releases:	13139
8.1a On Site Contained:	0
8.1b On Site Other :	0
8.1c Off Site Contain:	0
8.1d Off Site Other R:	0
8.2 Energy Recover On:	0
8.3 Energy Recover Of:	0
8.4 Recycling On Site:	0
8.5 Recycling Off Sit:	0
8.6 Treatment On Site:	0

Production Wste (8.1- 8.7):

13139

8.9 Production Ratio:

.75

Prod Ratio Or Activity:

8.8 One Time Release:

0

TRI FD: 91724PRKNL1330W

Sic 2:	NA
8.7 Treatment Off Site:	0
Sic 3:	
Sic 4:	
Sic 5:	
Sic 6:	
Primary NAICS:	334419
Naics 2:	
Naics 3:	
Naics 4:	
Naics 5:	
Year:	1992
Naics 6:	
Doc Ctrl No:	1392060283520
Chemical:	MIXTURE
Elemental Metal Included:	NO
Cas No Compound ID:	MIXTURE
SRS ID:	
Clean Air Act Chemical:	NO
Classification:	TRI
Metal:	NO
Metal Category:	0
Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
Carcinogen:	NO
Form Type:	R
Unit of Measure:	Pounds
5.1 Fugitive Air:	8020
5.2 Stack Air:	0
5.3 Water:	0
5.4 Underground:	0
5.4.1 Underground CL I:	0
5.4.2 Underground C II-V:	0
5.5.1 Landfills:	0
Parent Co Db No:	965829216
5.5.1a RCRA C Landfill:	0
5.5.1b Other Landfills:	0
5.5.2 Land Treatment:	0
5.5.3 Surface Impndmnt:	0
5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	8020
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	0
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	0
6.2 M99:	0
Industry Sector Code:	334
Off Site Release Total:	0
6.2 M20:	750

6.2 M24: 0
6.2 M26: 0
6.2 M28: 0
6.2 M93: 0
Off Site Recycled Total: 750
6.2 M56: 0
6.2 M92: 0
Off Site Energy Recovery : 0
Industry Sector: Computers and Electronic Products
6.2 M40 Non Metal: 0
6.2 M50: 0
6.2 M54: 0
6.2 M61 Non Metal: 0
6.2 M69: 0
6.2 M95: 0
Off Site Treated Total: 0
6.2 Unclassified: 0
6.2 Total Transfer: 750
Total Releases: 8020
Primary SIC: 3679
8.1 Releases: 0
8.1a On Site Contained: 0
8.1b On Site Other : 0
8.1c Off Site Contain: 0
8.1d Off Site Other R: 0
8.2 Energy Recover On: 0
8.3 Energy Recover Of: 0
8.4 Recycling On Site: 0
8.5 Recycling Off Sit: 0
8.6 Treatment On Site: 0
Production Wste (8.1- 8.7):

0

8.9 Production Ratio:

.75

Prod Ratio Or Activity:

8.8 One Time Release:

0

1993 Details

TRI FD: 91724PRKNL1330W
Sic 2: NA
8.7 Treatment Off Site: 0
Sic 3:
Sic 4:
Sic 5:
Sic 6:
Primary NAICS: 334419
Naics 2:
Naics 3:
Naics 4:
Naics 5:
Year: 1993
Naics 6:
Doc Ctrl No: 1393075533986
Chemical: MIXTURE
Elemental Metal Included: NO
Cas No Compound ID: MIXTURE
SRS ID:
Clean Air Act Chemical: NO
Classification: TRI
Metal: NO

Metal Category:	0
Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
Carcinogen:	NO
Form Type:	R
Unit of Measure:	Pounds
5.1 Fugitive Air:	8020
5.2 Stack Air:	0
5.3 Water:	0
5.4 Underground:	0
5.4.1 Underground CL I:	0
5.4.2 Underground C II-V:	0
5.5.1 Landfills:	0
Parent Co Db No:	965829216
5.5.1a RCRA C Landfill:	0
5.5.1b Other Landfills:	0
5.5.2 Land Treatment:	0
5.5.3 Surface Impndmnt:	0
5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	8020
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	0
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	0
6.2 M99:	0
Industry Sector Code:	334
Off Site Release Total:	0
6.2 M20:	750
6.2 M24:	0
6.2 M26:	0
6.2 M28:	0
6.2 M93:	0
Off Site Recycled Total:	750
6.2 M56:	0
6.2 M92:	0
Off Site Energy Recovery :	0
Industry Sector:	Computers and Electronic Products
6.2 M40 Non Metal:	0
6.2 M50:	0
6.2 M54:	0
6.2 M61 Non Metal:	0
6.2 M69:	0
6.2 M95:	0
Off Site Treated Total:	0
6.2 Unclassified:	0
6.2 Total Transfer:	750
Total Releases:	8020
Primary SIC:	3679
8.1 Releases:	0

8.1a On Site Contained: 0
8.1b On Site Other : 0
8.1c Off Site Contain: 0
8.1d Off Site Other R: 0
8.2 Energy Recover On: 0
8.3 Energy Recover Of: 0
8.4 Recycling On Site: 0
8.5 Recycling Off Sit: 0
8.6 Treatment On Site: 0
Production Wste (8.1- 8.7):

0

8.9 Production Ratio:

.75

Prod Ratio Or Activity:

8.8 One Time Release:

0

1994 Details

TRI FD: 91724PRKNL1330W
Sic 2: NA
8.7 Treatment Off Site: 0
Sic 3:
Sic 4:
Sic 5:
Sic 6:
Primary NAICS: 334419
Naics 2:
Naics 3:
Naics 4:
Naics 5:
Year: 1994
Naics 6:
Doc Ctrl No: 1394080350844
Chemical: 1,1-DICHLORO-1-FLUOROETHANE
Elemental Metal Included: NO
Cas No Compound ID: 001717006
SRS ID: 91348
Clean Air Act Chemical: NO
Classification: TRI
Metal: NO
Metal Category: 0
Parent Co Name: EXCELITAS TECHNOLOGIES CORP
Carcinogen: NO
Form Type: R
Unit of Measure: Pounds
5.1 Fugitive Air: 16350
5.2 Stack Air: 0
5.3 Water: 0
5.4 Underground: 0
5.4.1 Underground CL I: 0
5.4.2 Underground C II-V: 0
5.5.1 Landfills: 0
Parent Co Db No: 965829216
5.5.1a RCRA C Landfill: 0
5.5.1b Other Landfills: 0
5.5.2 Land Treatment: 0
5.5.3 Surface Impndmnt: 0
5.5.3a RCRA Surface IM: 0
5.5.3b Other Surface I: 0
5.5.4 Other Disposal: 0
On Site Release Total: 16350

6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	0
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	0
6.2 M99:	0
Industry Sector Code:	334
Off Site Release Total:	0
6.2 M20:	0
6.2 M24:	0
6.2 M26:	3150
6.2 M28:	0
6.2 M93:	0
Off Site Recycled Total:	3150
6.2 M56:	0
6.2 M92:	0
Off Site Energy Recovery :	0
Industry Sector:	Computers and Electronic Products
6.2 M40 Non Metal:	0
6.2 M50:	0
6.2 M54:	0
6.2 M61 Non Metal:	0
6.2 M69:	0
6.2 M95:	0
Off Site Treated Total:	0
6.2 Unclassified:	0
6.2 Total Transfer:	3150
Total Releases:	16350
Primary SIC:	3679
8.1 Releases:	16350
8.1a On Site Contained:	0
8.1b On Site Other :	0
8.1c Off Site Contain:	0
8.1d Off Site Other R:	0
8.2 Energy Recover On:	0
8.3 Energy Recover Of:	0
8.4 Recycling On Site:	0
8.5 Recycling Off Sit:	3150
8.6 Treatment On Site:	0

Production Wste (8.1- 8.7):

19500

8.9 Production Ratio:

.75

Prod Ratio Or Activity:

8.8 One Time Release:

0

2001 Details

TRI FD:	91724PRKNL1330W
Sic 2:	
8.7 Treatment Off Site:	0
Sic 3:	
Sic 4:	
Sic 5:	
Sic 6:	
Primary NAICS:	334418
Naics 2:	
Naics 3:	
Naics 4:	
Naics 5:	
Year:	2001
Naics 6:	
Doc Ctrl No:	1301150241368
Chemical:	LEAD
Elemental Metal Included:	NO
Cas No Compound ID:	007439921
SRS ID:	149583
Clean Air Act Chemical:	YES
Classification:	PBT
Metal:	YES
Metal Category:	1
Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
Carcinogen:	YES
Form Type:	R
Unit of Measure:	Pounds
5.1 Fugitive Air:	0
5.2 Stack Air:	0
5.3 Water:	0
5.4 Underground:	0
5.4.1 Underground CL I:	0
5.4.2 Underground C II-V:	0
5.5.1 Landfills:	0
Parent Co Db No:	965829216
5.5.1a RCRA C Landfill:	0
5.5.1b Other Landfills:	0
5.5.2 Land Treatment:	0
5.5.3 Surface Impndmnt:	0
5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	0
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	0
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0

6.2 M90: 0
6.2 M94: 0
6.2 M99: 0
Industry Sector Code: 334
Off Site Release Total: 0
6.2 M20: 0
6.2 M24: 0
6.2 M26: 0
6.2 M28: 0
6.2 M93: 153
Off Site Recycled Total: 153
6.2 M56: 0
6.2 M92: 0
Off Site Energy Recovery : 0
Industry Sector: Computers and Electronic Products
6.2 M40 Non Metal: 0
6.2 M50: 0
6.2 M54: 0
6.2 M61 Non Metal: 0
6.2 M69: 0
6.2 M95: 0
Off Site Treated Total: 0
6.2 Unclassified: 0
6.2 Total Transfer: 153
Total Releases: 0
Primary SIC: 3679
8.1 Releases: 0
8.1a On Site Contained: 0
8.1b On Site Other : 0
8.1c Off Site Contain: 0
8.1d Off Site Other R: 0
8.2 Energy Recover On: 0
8.3 Energy Recover Of: 0
8.4 Recycling On Site: 0
8.5 Recycling Off Sit: 153
8.6 Treatment On Site: 0
Production Wste (8.1- 8.7):

153

8.9 Production Ratio:

1.17

Prod Ratio Or Activity:

8.8 One Time Release:

2002 Details

TRI FD: 91724PRKNL1330W
Sic 2:
8.7 Treatment Off Site: 0
Sic 3:
Sic 4:
Sic 5:
Sic 6:
Primary NAICS: 334418
Naics 2:
Naics 3:
Naics 4:
Naics 5:
Year: 2002
Naics 6:
Doc Ctrl No: 1302200085948
Chemical: LEAD
Elemental Metal Included: NO
Cas No Compound ID: 007439921

SRS ID:	149583
Clean Air Act Chemical:	YES
Classification:	PBT
Metal:	YES
Metal Category:	1
Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
Carcinogen:	YES
Form Type:	R
Unit of Measure:	Pounds
5.1 Fugitive Air:	0
5.2 Stack Air:	0
5.3 Water:	0
5.4 Underground:	0
5.4.1 Underground CL I:	0
5.4.2 Underground C II-V:	0
5.5.1 Landfills:	0
Parent Co Db No:	965829216
5.5.1a RCRA C Landfill:	0
5.5.1b Other Landfills:	0
5.5.2 Land Treatment:	0
5.5.3 Surface Impndmnt:	0
5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	0
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	0
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	0
6.2 M99:	0
Industry Sector Code:	334
Off Site Release Total:	0
6.2 M20:	0
6.2 M24:	0
6.2 M26:	0
6.2 M28:	0
6.2 M93:	133
Off Site Recycled Total:	133
6.2 M56:	0
6.2 M92:	0
Off Site Energy Recovery :	0
Industry Sector:	Computers and Electronic Products
6.2 M40 Non Metal:	0
6.2 M50:	0
6.2 M54:	0
6.2 M61 Non Metal:	0
6.2 M69:	0
6.2 M95:	0
Off Site Treated Total:	0
6.2 Unclassified:	0

6.2 Total Transfer: 133
Total Releases: 0
Primary SIC: 3679
8.1 Releases: 0
8.1a On Site Contained: 0
8.1b On Site Other : 0
8.1c Off Site Contain: 0
8.1d Off Site Other R: 0
8.2 Energy Recover On: 0
8.3 Energy Recover Of: 0
8.4 Recycling On Site: 0
8.5 Recycling Off Sit: 133
8.6 Treatment On Site: 0
Production Wste (8.1- 8.7):

133

8.9 Production Ratio:

1.05

Prod Ratio Or Activity:

8.8 One Time Release:

2003 Details

TRI FD: 91724PRKNL1330W
Sic 2:
8.7 Treatment Off Site: 0
Sic 3:
Sic 4:
Sic 5:
Sic 6:
Primary NAICS: 334418
Naics 2:
Naics 3:
Naics 4:
Naics 5:
Year: 2003
Naics 6:
Doc Ctrl No: 1303201337490
Chemical: LEAD
Elemental Metal Included: NO
Cas No Compound ID: 007439921
SRS ID: 149583
Clean Air Act Chemical: YES
Classification: PBT
Metal: YES
Metal Category: 1
Parent Co Name: EXCELITAS TECHNOLOGIES CORP
Carcinogen: YES
Form Type: R
Unit of Measure: Pounds
5.1 Fugitive Air: 0
5.2 Stack Air: 0
5.3 Water: 0
5.4 Underground: 0
5.4.1 Underground CL I: 0
5.4.2 Underground C II-V: 0
5.5.1 Landfills: 0
Parent Co Db No: 965829216
5.5.1a RCRA C Landfill: 0
5.5.1b Other Landfills: 0
5.5.2 Land Treatment: 0
5.5.3 Surface Impndmnt: 0
5.5.3a RCRA Surface IM: 0
5.5.3b Other Surface I: 0

5.5.4 Other Disposal:	0
On Site Release Total:	0
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	.4
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	0
6.2 M99:	0
Industry Sector Code:	334
Off Site Release Total:	.4
6.2 M20:	0
6.2 M24:	80.7
6.2 M26:	0
6.2 M28:	0
6.2 M93:	80.7
Off Site Recycled Total:	161.4
6.2 M56:	0
6.2 M92:	0
Off Site Energy Recovery :	0
Industry Sector:	Computers and Electronic Products
6.2 M40 Non Metal:	0
6.2 M50:	0
6.2 M54:	0
6.2 M61 Non Metal:	0
6.2 M69:	0
6.2 M95:	0
Off Site Treated Total:	0
6.2 Unclassified:	0
6.2 Total Transfer:	161.8
Total Releases:	.4
Primary SIC:	3679
8.1 Releases:	0
8.1a On Site Contained:	0
8.1b On Site Other :	0
8.1c Off Site Contain:	0
8.1d Off Site Other R:	.4
8.2 Energy Recover On:	0
8.3 Energy Recover Of:	0
8.4 Recycling On Site:	0
8.5 Recycling Off Sit:	161.4
8.6 Treatment On Site:	0

Production Wste (8.1- 8.7):

161.8

8.9 Production Ratio:

99.97

Prod Ratio Or Activity:

8.8 One Time Release:

2004 Details

TRI FD:	91724PRKNL1330W
Sic 2:	
8.7 Treatment Off Site:	0
Sic 3:	
Sic 4:	
Sic 5:	
Sic 6:	
Primary NAICS:	334418
Naics 2:	
Naics 3:	
Naics 4:	
Naics 5:	
Year:	2004
Naics 6:	
Doc Ctrl No:	1304202628018
Chemical:	LEAD
Elemental Metal Included:	NO
Cas No Compound ID:	007439921
SRS ID:	149583
Clean Air Act Chemical:	YES
Classification:	PBT
Metal:	YES
Metal Category:	1
Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
Carcinogen:	YES
Form Type:	R
Unit of Measure:	Pounds
5.1 Fugitive Air:	0
5.2 Stack Air:	0
5.3 Water:	0
5.4 Underground:	0
5.4.1 Underground CL I:	0
5.4.2 Underground C II-V:	0
5.5.1 Landfills:	0
Parent Co Db No:	965829216
5.5.1a RCRA C Landfill:	0
5.5.1b Other Landfills:	0
5.5.2 Land Treatment:	0
5.5.3 Surface Impndmnt:	0
5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	0
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	444
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0

6.2 M90: 0
6.2 M94: 0
6.2 M99: 0
Industry Sector Code: 334
Off Site Release Total: 444
6.2 M20: 0
6.2 M24: 1.3
6.2 M26: 0
6.2 M28: 0
6.2 M93: 0
Off Site Recycled Total: 1.3
6.2 M56: 0
6.2 M92: 0
Off Site Energy Recovery : 0
Industry Sector: Computers and Electronic Products
6.2 M40 Non Metal: 0
6.2 M50: 0
6.2 M54: 0
6.2 M61 Non Metal: 0
6.2 M69: 0
6.2 M95: 0
Off Site Treated Total: 0
6.2 Unclassified: 0
6.2 Total Transfer: 445.3
Total Releases: 444
Primary SIC: 3679
8.1 Releases: 0
8.1a On Site Contained: 0
8.1b On Site Other : 0
8.1c Off Site Contain: 0
8.1d Off Site Other R: 444
8.2 Energy Recover On: 0
8.3 Energy Recover Of: 0
8.4 Recycling On Site: 0
8.5 Recycling Off Sit: 1.3
8.6 Treatment On Site: 0
Production Wste (8.1- 8.7):

445.3

8.9 Production Ratio:

1.21

Prod Ratio Or Activity:

8.8 One Time Release:

2005 Details

TRI FD: 91724PRKNL1330W
Sic 2:
8.7 Treatment Off Site: 0
Sic 3:
Sic 4:
Sic 5:
Sic 6:
Primary NAICS: 334418
Naics 2:
Naics 3:
Naics 4:
Naics 5:
Year: 2005
Naics 6:
Doc Ctrl No: 1305204069975
Chemical: LEAD
Elemental Metal Included: NO
Cas No Compound ID: 007439921

SRS ID:	149583
Clean Air Act Chemical:	YES
Classification:	PBT
Metal:	YES
Metal Category:	1
Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
Carcinogen:	YES
Form Type:	R
Unit of Measure:	Pounds
5.1 Fugitive Air:	0
5.2 Stack Air:	0
5.3 Water:	0
5.4 Underground:	0
5.4.1 Underground CL I:	0
5.4.2 Underground C II-V:	0
5.5.1 Landfills:	0
Parent Co Db No:	965829216
5.5.1a RCRA C Landfill:	0
5.5.1b Other Landfills:	0
5.5.2 Land Treatment:	0
5.5.3 Surface Impndmnt:	0
5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	0
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	342.62
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	0
6.2 M99:	0
Industry Sector Code:	334
Off Site Release Total:	342.62
6.2 M20:	0
6.2 M24:	0
6.2 M26:	0
6.2 M28:	0
6.2 M93:	1.01
Off Site Recycled Total:	1.01
6.2 M56:	0
6.2 M92:	0
Off Site Energy Recovery :	0
Industry Sector:	Computers and Electronic Products
6.2 M40 Non Metal:	0
6.2 M50:	0
6.2 M54:	0
6.2 M61 Non Metal:	0
6.2 M69:	0
6.2 M95:	0
Off Site Treated Total:	0
6.2 Unclassified:	0

6.2 Total Transfer: 343.63
Total Releases: 342.62
Primary SIC: 3679
8.1 Releases: 0
8.1a On Site Contained: 0
8.1b On Site Other : 0
8.1c Off Site Contain: 0
8.1d Off Site Other R: 342.26
8.2 Energy Recover On: 0
8.3 Energy Recover Of: 0
8.4 Recycling On Site: 0
8.5 Recycling Off Sit: 1.01
8.6 Treatment On Site: 0
Production Wste (8.1- 8.7):

343.27

8.9 Production Ratio:

.94

Prod Ratio Or Activity:

8.8 One Time Release:

2006 Details

TRI FD: 91724PRKNL1330W
Sic 2:
8.7 Treatment Off Site: 0
Sic 3:
Sic 4:
Sic 5:
Sic 6:
Primary NAICS: 334418
Naics 2:
Naics 3:
Naics 4:
Naics 5:
Year: 2006
Naics 6:
Doc Ctrl No: 1306204367193
Chemical: LEAD
Elemental Metal Included: NO
Cas No Compound ID: 007439921
SRS ID: 149583
Clean Air Act Chemical: YES
Classification: PBT
Metal: YES
Metal Category: 1
Parent Co Name: EXCELITAS TECHNOLOGIES CORP
Carcinogen: YES
Form Type: R
Unit of Measure: Pounds
5.1 Fugitive Air: 0
5.2 Stack Air: 0
5.3 Water: 0
5.4 Underground: 0
5.4.1 Underground CL I: 0
5.4.2 Underground C II-V: 0
5.5.1 Landfills: 0
Parent Co Db No: 965829216
5.5.1a RCRA C Landfill: 0
5.5.1b Other Landfills: 0
5.5.2 Land Treatment: 0
5.5.3 Surface Impndmnt: 0
5.5.3a RCRA Surface IM: 0
5.5.3b Other Surface I: 0

5.5.4 Other Disposal:	0
On Site Release Total:	0
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	194.3
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	2
6.2 M99:	0
Industry Sector Code:	334
Off Site Release Total:	196.3
6.2 M20:	0
6.2 M24:	11.8
6.2 M26:	0
6.2 M28:	0
6.2 M93:	0
Off Site Recycled Total:	11.8
6.2 M56:	0
6.2 M92:	0
Off Site Energy Recovery :	0
Industry Sector:	Computers and Electronic Products
6.2 M40 Non Metal:	0
6.2 M50:	0
6.2 M54:	0
6.2 M61 Non Metal:	0
6.2 M69:	0
6.2 M95:	0
Off Site Treated Total:	0
6.2 Unclassified:	0
6.2 Total Transfer:	208.1
Total Releases:	196.3
Primary SIC:	
8.1 Releases:	0
8.1a On Site Contained:	0
8.1b On Site Other :	0
8.1c Off Site Contain:	0
8.1d Off Site Other R:	196.3
8.2 Energy Recover On:	0
8.3 Energy Recover Of:	0
8.4 Recycling On Site:	0
8.5 Recycling Off Sit:	11.8
8.6 Treatment On Site:	0

Production Wste (8.1- 8.7):

208.1

8.9 Production Ratio:

.83

Prod Ratio Or Activity:

8.8 One Time Release:

2007 Details

TRI FD:	91724PRKNL1330W
Sic 2:	
8.7 Treatment Off Site:	0
Sic 3:	
Sic 4:	
Sic 5:	
Sic 6:	
Primary NAICS:	334418
Naics 2:	
Naics 3:	
Naics 4:	
Naics 5:	
Year:	2007
Naics 6:	
Doc Ctrl No:	1307205588876
Chemical:	LEAD
Elemental Metal Included:	NO
Cas No Compound ID:	007439921
SRS ID:	149583
Clean Air Act Chemical:	YES
Classification:	PBT
Metal:	YES
Metal Category:	1
Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
Carcinogen:	YES
Form Type:	R
Unit of Measure:	Pounds
5.1 Fugitive Air:	0
5.2 Stack Air:	0
5.3 Water:	0
5.4 Underground:	0
5.4.1 Underground CL I:	0
5.4.2 Underground C II-V:	0
5.5.1 Landfills:	0
Parent Co Db No:	965829216
5.5.1a RCRA C Landfill:	0
5.5.1b Other Landfills:	0
5.5.2 Land Treatment:	0
5.5.3 Surface Impndmnt:	0
5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	0
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	104.03
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0

6.2 M90: 0
6.2 M94: 0
6.2 M99: 0
Industry Sector Code: 334
Off Site Release Total: 104.03
6.2 M20: 0
6.2 M24: 1.1
6.2 M26: .5
6.2 M28: 0
6.2 M93: 0
Off Site Recycled Total: 1.6
6.2 M56: 0
6.2 M92: 0
Off Site Energy Recovery : 0
Industry Sector: Computers and Electronic Products
6.2 M40 Non Metal: 0
6.2 M50: 0
6.2 M54: 0
6.2 M61 Non Metal: 0
6.2 M69: 0
6.2 M95: 0
Off Site Treated Total: 0
6.2 Unclassified: 0
6.2 Total Transfer: 105.63
Total Releases: 104.03
Primary SIC:
8.1 Releases: 0
8.1a On Site Contained: 0
8.1b On Site Other : 0
8.1c Off Site Contain: 0
8.1d Off Site Other R: 100
8.2 Energy Recover On: 0
8.3 Energy Recover Of: 0
8.4 Recycling On Site: 0
8.5 Recycling Off Sit: 1.6
8.6 Treatment On Site: 0
Production Wste (8.1- 8.7):

101.6

8.9 Production Ratio:

1.04

Prod Ratio Or Activity:

8.8 One Time Release:

2008 Details

TRI FD: 91724PRKNL1330W
Sic 2:
8.7 Treatment Off Site: 0
Sic 3:
Sic 4:
Sic 5:
Sic 6:
Primary NAICS: 334418
Naics 2:
Naics 3:
Naics 4:
Naics 5:
Year: 2008
Naics 6:
Doc Ctrl No: 1308206857803
Chemical: LEAD
Elemental Metal Included: NO
Cas No Compound ID: 007439921

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SRS ID:	149583
Clean Air Act Chemical:	YES
Classification:	PBT
Metal:	YES
Metal Category:	1
Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
Carcinogen:	YES
Form Type:	R
Unit of Measure:	Pounds
5.1 Fugitive Air:	0
5.2 Stack Air:	0
5.3 Water:	0
5.4 Underground:	0
5.4.1 Underground CL I:	0
5.4.2 Underground C II-V:	0
5.5.1 Landfills:	0
Parent Co Db No:	965829216
5.5.1a RCRA C Landfill:	0
5.5.1b Other Landfills:	0
5.5.2 Land Treatment:	0
5.5.3 Surface Impndmnt:	0
5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	0
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	57.2
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	0
6.2 M99:	0
Industry Sector Code:	334
Off Site Release Total:	57.2
6.2 M20:	0
6.2 M24:	.5
6.2 M26:	0
6.2 M28:	0
6.2 M93:	0
Off Site Recycled Total:	.5
6.2 M56:	0
6.2 M92:	0
Off Site Energy Recovery :	0
Industry Sector:	Computers and Electronic Products
6.2 M40 Non Metal:	0
6.2 M50:	0
6.2 M54:	0
6.2 M61 Non Metal:	0
6.2 M69:	0
6.2 M95:	0
Off Site Treated Total:	0
6.2 Unclassified:	0

6.2 Total Transfer: 57.7
Total Releases: 57.2
Primary SIC:
8.1 Releases: 0
8.1a On Site Contained: 0
8.1b On Site Other : 0
8.1c Off Site Contain: 0
8.1d Off Site Other R: 57.2
8.2 Energy Recover On: 0
8.3 Energy Recover Of: 0
8.4 Recycling On Site: 0
8.5 Recycling Off Sit: .5
8.6 Treatment On Site: 0
Production Wste (8.1- 8.7):

57.7

8.9 Production Ratio:

1.19

Prod Ratio Or Activity:

8.8 One Time Release:

2009 Details

TRI FD: 91724PRKNL1330W
Sic 2:
8.7 Treatment Off Site: 0
Sic 3:
Sic 4:
Sic 5:
Sic 6:
Primary NAICS: 335999
Naics 2:
Naics 3:
Naics 4:
Naics 5:
Year: 2009
Naics 6:
Doc Ctrl No: 1309207303607
Chemical: LEAD
Elemental Metal Included: NO
Cas No Compound ID: 007439921
SRS ID: 149583
Clean Air Act Chemical: YES
Classification: PBT
Metal: YES
Metal Category: 1
Parent Co Name: EXCELITAS TECHNOLOGIES CORP
Carcinogen: YES
Form Type: R
Unit of Measure: Pounds
5.1 Fugitive Air: 0
5.2 Stack Air: 0
5.3 Water: 0
5.4 Underground: 0
5.4.1 Underground CL I: 0
5.4.2 Underground C II-V: 0
5.5.1 Landfills: 0
Parent Co Db No: 965829216
5.5.1a RCRA C Landfill: 0
5.5.1b Other Landfills: 0
5.5.2 Land Treatment: 0
5.5.3 Surface Impndmnt: 0
5.5.3a RCRA Surface IM: 0
5.5.3b Other Surface I: 0

5.5.4 Other Disposal:	0
On Site Release Total:	0
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	38.04
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	0
6.2 M99:	.09
Industry Sector Code:	335
Off Site Release Total:	38.13
6.2 M20:	0
6.2 M24:	53.4
6.2 M26:	.44
6.2 M28:	0
6.2 M93:	0
Off Site Recycled Total:	53.84
6.2 M56:	0
6.2 M92:	0
Off Site Energy Recovery :	0
Industry Sector:	Electrical Equipment
6.2 M40 Non Metal:	0
6.2 M50:	0
6.2 M54:	0
6.2 M61 Non Metal:	0
6.2 M69:	0
6.2 M95:	0
Off Site Treated Total:	0
6.2 Unclassified:	0
6.2 Total Transfer:	91.97
Total Releases:	38.13
Primary SIC:	
8.1 Releases:	0
8.1a On Site Contained:	0
8.1b On Site Other :	0
8.1c Off Site Contain:	0
8.1d Off Site Other R:	38.13
8.2 Energy Recover On:	0
8.3 Energy Recover Of:	0
8.4 Recycling On Site:	0
8.5 Recycling Off Sit:	53.84
8.6 Treatment On Site:	0

Production Wste (8.1- 8.7):

91.97

8.9 Production Ratio:

.81

Prod Ratio Or Activity:

8.8 One Time Release:

2010 Details

TRI FD:	91724PRKNL1330W
Sic 2:	
8.7 Treatment Off Site:	0
Sic 3:	
Sic 4:	
Sic 5:	
Sic 6:	
Primary NAICS:	335999
Naics 2:	
Naics 3:	
Naics 4:	
Naics 5:	
Year:	2010
Naics 6:	
Doc Ctrl No:	1310208511523
Chemical:	LEAD
Elemental Metal Included:	NO
Cas No Compound ID:	007439921
SRS ID:	149583
Clean Air Act Chemical:	YES
Classification:	PBT
Metal:	YES
Metal Category:	1
Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
Carcinogen:	YES
Form Type:	R
Unit of Measure:	Pounds
5.1 Fugitive Air:	0
5.2 Stack Air:	0
5.3 Water:	0
5.4 Underground:	0
5.4.1 Underground CL I:	0
5.4.2 Underground C II-V:	0
5.5.1 Landfills:	0
Parent Co Db No:	965829216
5.5.1a RCRA C Landfill:	0
5.5.1b Other Landfills:	0
5.5.2 Land Treatment:	0
5.5.3 Surface Impndmnt:	0
5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	0
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	0
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0

6.2 M90: 0
6.2 M94: 149.2
6.2 M99: 0
Industry Sector Code: 335
Off Site Release Total: 149.2
6.2 M20: 0
6.2 M24: 0
6.2 M26: 0
6.2 M28: 0
6.2 M93: 0
Off Site Recycled Total: 0
6.2 M56: 0
6.2 M92: 0
Off Site Energy Recovery : 0
Industry Sector: Electrical Equipment
6.2 M40 Non Metal: 0
6.2 M50: 0
6.2 M54: 0
6.2 M61 Non Metal: 0
6.2 M69: 0
6.2 M95: 0
Off Site Treated Total: 0
6.2 Unclassified: 0
6.2 Total Transfer: 149.2
Total Releases: 149.2
Primary SIC:
8.1 Releases: 0
8.1a On Site Contained: 0
8.1b On Site Other : 0
8.1c Off Site Contain: 0
8.1d Off Site Other R: 149.2
8.2 Energy Recover On: 0
8.3 Energy Recover Of: 0
8.4 Recycling On Site: 0
8.5 Recycling Off Sit: 0
8.6 Treatment On Site: 0
Production Wste (8.1- 8.7):

149.2

8.9 Production Ratio:

.97

Prod Ratio Or Activity:

8.8 One Time Release:

2011 Details

TRI FD: 91724PRKNL1330W
Sic 2:
8.7 Treatment Off Site: 0
Sic 3:
Sic 4:
Sic 5:
Sic 6:
Primary NAICS: 335999
Naics 2:
Naics 3:
Naics 4:
Naics 5:
Year: 2011
Naics 6:
Doc Ctrl No: 1311209290725
Chemical: LEAD
Elemental Metal Included: NO
Cas No Compound ID: 007439921

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SRS ID:	149583
Clean Air Act Chemical:	YES
Classification:	PBT
Metal:	YES
Metal Category:	1
Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
Carcinogen:	YES
Form Type:	R
Unit of Measure:	Pounds
5.1 Fugitive Air:	0
5.2 Stack Air:	0
5.3 Water:	0
5.4 Underground:	0
5.4.1 Underground CL I:	0
5.4.2 Underground C II-V:	0
5.5.1 Landfills:	0
Parent Co Db No:	965829216
5.5.1a RCRA C Landfill:	0
5.5.1b Other Landfills:	0
5.5.2 Land Treatment:	0
5.5.3 Surface Impndmnt:	0
5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	0
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	0
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	193.45
6.2 M99:	0
Industry Sector Code:	335
Off Site Release Total:	193.45
6.2 M20:	0
6.2 M24:	0
6.2 M26:	0
6.2 M28:	0
6.2 M93:	0
Off Site Recycled Total:	0
6.2 M56:	0
6.2 M92:	0
Off Site Energy Recovery :	0
Industry Sector:	Electrical Equipment
6.2 M40 Non Metal:	0
6.2 M50:	0
6.2 M54:	0
6.2 M61 Non Metal:	0
6.2 M69:	0
6.2 M95:	0
Off Site Treated Total:	0
6.2 Unclassified:	0

6.2 Total Transfer: 193.45
Total Releases: 193.45
Primary SIC:
8.1 Releases: 0
8.1a On Site Contained: 0
8.1b On Site Other : 0
8.1c Off Site Contain: 0
8.1d Off Site Other R: 193.45
8.2 Energy Recover On: 0
8.3 Energy Recover Of: 0
8.4 Recycling On Site: 0
8.5 Recycling Off Sit: 0
8.6 Treatment On Site: 0
Production Wste (8.1- 8.7):

193.45

8.9 Production Ratio:

1.17

Prod Ratio Or Activity:

8.8 One Time Release:

2012 Details

TRI FD: 91724PRKNL1330W
Sic 2:
8.7 Treatment Off Site: 0
Sic 3:
Sic 4:
Sic 5:
Sic 6:
Primary NAICS: 335999
Naics 2:
Naics 3:
Naics 4:
Naics 5:
Year: 2012
Naics 6:
Doc Ctrl No: 1312209998588
Chemical: LEAD
Elemental Metal Included: NO
Cas No Compound ID: 007439921
SRS ID: 149583
Clean Air Act Chemical: YES
Classification: PBT
Metal: YES
Metal Category: 1
Parent Co Name: EXCELITAS TECHNOLOGIES CORP
Carcinogen: YES
Form Type: R
Unit of Measure: Pounds
5.1 Fugitive Air: 0
5.2 Stack Air: 0
5.3 Water: 0
5.4 Underground: 0
5.4.1 Underground CL I: 0
5.4.2 Underground C II-V: 0
5.5.1 Landfills: 0
Parent Co Db No: 965829216
5.5.1a RCRA C Landfill: 0
5.5.1b Other Landfills: 0
5.5.2 Land Treatment: 0
5.5.3 Surface Impndmnt: 0
5.5.3a RCRA Surface IM: 0
5.5.3b Other Surface I: 0

5.5.4 Other Disposal:	0
On Site Release Total:	0
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	0
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	117
6.2 M99:	0
Industry Sector Code:	335
Off Site Release Total:	117
6.2 M20:	0
6.2 M24:	0
6.2 M26:	0
6.2 M28:	0
6.2 M93:	0
Off Site Recycled Total:	0
6.2 M56:	0
6.2 M92:	0
Off Site Energy Recovery :	0
Industry Sector:	Electrical Equipment
6.2 M40 Non Metal:	0
6.2 M50:	0
6.2 M54:	0
6.2 M61 Non Metal:	0
6.2 M69:	0
6.2 M95:	0
Off Site Treated Total:	0
6.2 Unclassified:	0
6.2 Total Transfer:	117
Total Releases:	117
Primary SIC:	
8.1 Releases:	0
8.1a On Site Contained:	0
8.1b On Site Other :	0
8.1c Off Site Contain:	0
8.1d Off Site Other R:	117
8.2 Energy Recover On:	0
8.3 Energy Recover Of:	0
8.4 Recycling On Site:	0
8.5 Recycling Off Sit:	0
8.6 Treatment On Site:	0

Production Wste (8.1- 8.7):

117

8.9 Production Ratio:

.98

Prod Ratio Or Activity:

8.8 One Time Release:

2013 Details

TRI FD:	91724PRKNL1330W
Sic 2:	
8.7 Treatment Off Site:	0
Sic 3:	
Sic 4:	
Sic 5:	
Sic 6:	
Primary NAICS:	335999
Naics 2:	
Naics 3:	
Naics 4:	
Naics 5:	
Year:	2013
Naics 6:	
Doc Ctrl No:	1313211104385
Chemical:	LEAD
Elemental Metal Included:	NO
Cas No Compound ID:	007439921
SRS ID:	149583
Clean Air Act Chemical:	YES
Classification:	PBT
Metal:	YES
Metal Category:	1
Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
Carcinogen:	YES
Form Type:	R
Unit of Measure:	Pounds
5.1 Fugitive Air:	0
5.2 Stack Air:	0
5.3 Water:	0
5.4 Underground:	0
5.4.1 Underground CL I:	0
5.4.2 Underground C II-V:	0
5.5.1 Landfills:	0
Parent Co Db No:	965829216
5.5.1a RCRA C Landfill:	0
5.5.1b Other Landfills:	0
5.5.2 Land Treatment:	0
5.5.3 Surface Impndmnt:	0
5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	0
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	0
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0

6.2 M90: 0
6.2 M94: 57
6.2 M99: 0
Industry Sector Code: 335
Off Site Release Total: 57
6.2 M20: 0
6.2 M24: 0
6.2 M26: 0
6.2 M28: 0
6.2 M93: 0
Off Site Recycled Total: 0
6.2 M56: 0
6.2 M92: 0
Off Site Energy Recovery : 0
Industry Sector: Electrical Equipment
6.2 M40 Non Metal: 0
6.2 M50: 0
6.2 M54: 0
6.2 M61 Non Metal: 0
6.2 M69: 0
6.2 M95: 0
Off Site Treated Total: 0
6.2 Unclassified: 0
6.2 Total Transfer: 57
Total Releases: 57
Primary SIC:
8.1 Releases: 0
8.1a On Site Contained: 0
8.1b On Site Other : 0
8.1c Off Site Contain: 0
8.1d Off Site Other R: 57
8.2 Energy Recover On: 0
8.3 Energy Recover Of: 0
8.4 Recycling On Site: 0
8.5 Recycling Off Sit: 0
8.6 Treatment On Site: 0
Production Wste (8.1- 8.7):

57

8.9 Production Ratio:

.73

Prod Ratio Or Activity:

8.8 One Time Release:

2014 Details

TRI FD: 91724PRKNL1330W
Sic 2:
8.7 Treatment Off Site: 0
Sic 3:
Sic 4:
Sic 5:
Sic 6:
Primary NAICS: 335999
Naics 2:
Naics 3:
Naics 4:
Naics 5:
Year: 2014
Naics 6:
Doc Ctrl No: 1314211934169
Chemical: LEAD
Elemental Metal Included: NO
Cas No Compound ID: 007439921

SRS ID:	149583
Clean Air Act Chemical:	YES
Classification:	PBT
Metal:	YES
Metal Category:	1
Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
Carcinogen:	YES
Form Type:	R
Unit of Measure:	Pounds
5.1 Fugitive Air:	0
5.2 Stack Air:	0
5.3 Water:	0
5.4 Underground:	0
5.4.1 Underground CL I:	0
5.4.2 Underground C II-V:	0
5.5.1 Landfills:	0
Parent Co Db No:	965829216
5.5.1a RCRA C Landfill:	0
5.5.1b Other Landfills:	0
5.5.2 Land Treatment:	0
5.5.3 Surface Impndmnt:	0
5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	0
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	.012
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	45.07
6.2 M99:	0
Industry Sector Code:	335
Off Site Release Total:	45.082
6.2 M20:	0
6.2 M24:	36.398
6.2 M26:	0
6.2 M28:	0
6.2 M93:	1.052
Off Site Recycled Total:	37.45
6.2 M56:	0
6.2 M92:	0
Off Site Energy Recovery :	0
Industry Sector:	Electrical Equipment
6.2 M40 Non Metal:	0
6.2 M50:	0
6.2 M54:	0
6.2 M61 Non Metal:	0
6.2 M69:	0
6.2 M95:	0
Off Site Treated Total:	0
6.2 Unclassified:	0

6.2 Total Transfer: 82.532
Total Releases: 45.082
Primary SIC:
8.1 Releases: 0
8.1a On Site Contained: 0
8.1b On Site Other : 0
8.1c Off Site Contain: 0
8.1d Off Site Other R: 45.082
8.2 Energy Recover On: 0
8.3 Energy Recover Of: 0
8.4 Recycling On Site: 0
8.5 Recycling Off Sit: 37.45
8.6 Treatment On Site: 0
Production Wste (8.1- 8.7):

82.532

8.9 Production Ratio:

.92

Prod Ratio Or Activity:

PRODUCTION

8.8 One Time Release:

2015 Details

TRI FD: 91724PRKNL1330W
Sic 2:
8.7 Treatment Off Site: 0
Sic 3:
Sic 4:
Sic 5:
Sic 6:
Primary NAICS: 335999
Naics 2:
Naics 3:
Naics 4:
Naics 5:
Year: 2015
Naics 6:
Doc Ctrl No: 1315213551017
Chemical: LEAD
Elemental Metal Included: NO
Cas No Compound ID: 007439921
SRS ID: 149583
Clean Air Act Chemical: YES
Classification: PBT
Metal: YES
Metal Category: 1
Parent Co Name: EXCELITAS TECHNOLOGIES CORP
Carcinogen: YES
Form Type: R
Unit of Measure: Pounds
5.1 Fugitive Air: 0
5.2 Stack Air: 0
5.3 Water: 0
5.4 Underground: 0
5.4.1 Underground CL I: 0
5.4.2 Underground C II-V: 0
5.5.1 Landfills: 0
Parent Co Db No: 965829216
5.5.1a RCRA C Landfill: 0
5.5.1b Other Landfills: 0
5.5.2 Land Treatment: 0
5.5.3 Surface Impndmnt: 0

5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	0
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	.916
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0
6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	.81
6.2 M99:	0
Industry Sector Code:	335
Off Site Release Total:	1.726
6.2 M20:	0
6.2 M24:	85
6.2 M26:	0
6.2 M28:	0
6.2 M93:	1.012
Off Site Recycled Total:	86.012
6.2 M56:	0
6.2 M92:	0
Off Site Energy Recovery :	0
Industry Sector:	Electrical Equipment
6.2 M40 Non Metal:	0
6.2 M50:	0
6.2 M54:	0
6.2 M61 Non Metal:	0
6.2 M69:	0
6.2 M95:	0
Off Site Treated Total:	0
6.2 Unclassified:	0
6.2 Total Transfer:	87.738
Total Releases:	1.726
Primary SIC:	
8.1 Releases:	0
8.1a On Site Contained:	0
8.1b On Site Other :	0
8.1c Off Site Contain:	0
8.1d Off Site Other R:	1.726
8.2 Energy Recover On:	0
8.3 Energy Recover Of:	0
8.4 Recycling On Site:	0
8.5 Recycling Off Sit:	86.012
8.6 Treatment On Site:	0

Production Wste (8.1- 8.7):

87.738

8.9 Production Ratio:

1.08

Prod Ratio Or Activity:

PRODUCTION

8.8 One Time Release:

2017 Details

TRI FD:	91724PRKNL1330W
Sic 2:	
8.7 Treatment Off Site:	0
Sic 3:	
Sic 4:	
Sic 5:	
Sic 6:	
Primary NAICS:	335999
Naics 2:	
Naics 3:	
Naics 4:	
Naics 5:	
Year:	2017
Naics 6:	
Doc Ctrl No:	1317216238776
Chemical:	LEAD
Elemental Metal Included:	NO
Cas No Compound ID:	007439921
SRS ID:	149583
Clean Air Act Chemical:	YES
Classification:	PBT
Metal:	YES
Metal Category:	1
Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
Carcinogen:	YES
Form Type:	R
Unit of Measure:	Pounds
5.1 Fugitive Air:	0
5.2 Stack Air:	0
5.3 Water:	0
5.4 Underground:	0
5.4.1 Underground CL I:	0
5.4.2 Underground C II-V:	0
5.5.1 Landfills:	0
Parent Co Db No:	965829216
5.5.1a RCRA C Landfill:	0
5.5.1b Other Landfills:	0
5.5.2 Land Treatment:	0
5.5.3 Surface Impndmnt:	0
5.5.3a RCRA Surface IM:	0
5.5.3b Other Surface I:	0
5.5.4 Other Disposal:	0
On Site Release Total:	0
6.1 POTW TRNS RLSE:	0
6.1 POTW TRNS TRT:	0
Standard Parent Co Name:	EXCELITAS TECHNOLOGIES CORP
POTW Total Transfers:	0
6.2 M10:	0
6.2 M41:	64.746
6.2 M62:	0
6.2 M40 Metal:	0
6.2 M61 Metal:	0
6.2 M71:	0
6.2 M81:	0
6.2 M82:	0
6.2 M72:	0
Federal Facility:	NO
6.2 M63:	0
6.2 M66:	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

6.2 M67:	0
6.2 M64:	0
6.2 M65:	0
6.2 M73:	0
6.2 M79:	0
6.2 M90:	0
6.2 M94:	0
6.2 M99:	0
Industry Sector Code:	335
Off Site Release Total:	64.746
6.2 M20:	0
6.2 M24:	0
6.2 M26:	0
6.2 M28:	0
6.2 M93:	0
Off Site Recycled Total:	0
6.2 M56:	0
6.2 M92:	0
Off Site Energy Recovery :	0
Industry Sector:	Electrical Equipment
6.2 M40 Non Metal:	0
6.2 M50:	0
6.2 M54:	0
6.2 M61 Non Metal:	0
6.2 M69:	0
6.2 M95:	0
Off Site Treated Total:	0
6.2 Unclassified:	0
6.2 Total Transfer:	64.746
Total Releases:	64.746
Primary SIC:	
8.1 Releases:	0
8.1a On Site Contained:	0
8.1b On Site Other :	0
8.1c Off Site Contain:	0
8.1d Off Site Other R:	64.746
8.2 Energy Recover On:	0
8.3 Energy Recover Of:	0
8.4 Recycling On Site:	0
8.5 Recycling Off Sit:	0
8.6 Treatment On Site:	0

Production Wste (8.1- 8.7):

64.746

8.9 Production Ratio:

1

Prod Ratio Or Activity:

PRODUCTION

8.8 One Time Release:

1	***20 of 22***	***NNW***	***0.00 / 0.00***	***669.48 / 0***	***TT ELECTRONICS POWER SOLUTIONS INC 1330 E CYPRESS ST COVINA CA 91724***	***RCRA NON GEN***

EPA Handler ID:	CAL000453832
Gen Status Universe:	No Report
Contact Name:	CRAIG AUZENNE
Contact Address:	1330 E CYPRESS ST , , COVINA , CA, 91724 ,
Contact Phone No and Ext:	626-699-6469
Contact Email:	CRAIG.AUZENNE@TTELECTRONICS.COM
Contact Country:	
County Name:	LOS ANGELES

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EPA Region: 09
Land Type:
Receive Date: 20200325
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20200325
Handler Name: TT ELECTRONICS POWER SOLUTIONS INC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: TT ELECTRONICS POWER SOLUTIONS INC
Date Became Current:
Date Ended Current:
Phone: 626-699-6400
Source Type: Implementer
Street No:
Street 1: 1330 E CYPRESS ST
Street 2:
City: COVINA
State: CA
Country:
Zip Code: 91724

Owner/Operator Ind: Current Operator
Type: Other
Name: CRAIG AUZENNE
Date Became Current:
Date Ended Current:
Phone: 626-699-6469
Source Type: Implementer
Street No:
Street 1: 1330 E CYPRESS ST
Street 2:
City: COVINA
State: CA
Country:
Zip Code: 91724

1	21 of 22	NNW	0.00 / 0.00	669.48 / 0	TT Electronics 1330 E CYPRESS ST COVINA CA 91724	CERS HAZ

Site ID: 566758
Latitude: 34.095220
Longitude: -117.862670

County:

Regulated Programs

EI ID: 10844161 ***EI Description:*** Hazardous Waste Generator

EI ID: 10844161 ***EI Description:*** Chemical Storage Facilities

Violations

Violation Date: 06/13/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Los Angeles County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 07/11/2018. OBSERVATION: The hazardous materials inventory submitted in CERS is not accurate. There are chemicals reported in CERS that are no longer used at the facility. CORRECTIVE ACTION: Review and update the hazardous materials inventory submitted in CERS.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 06/13/2018 ***Violation Source:*** CERS
Violation Program: CE ***Violation Division:*** Los Angeles County Fire Department
Citation: HSC 6.5 25201.5(d)(7) - California Health and Safety Code, Chapter 6.5, Section(s) 25201.5(d)(7)
Violation Notes:

Returned to compliance on 07/11/2018. OBSERVATION: Notification information for treating hazardous waste onsite has not been submitted to CERS. No person may treat hazardous waste onsite without submitting notification sixty (60) days prior to beginning the first treatment of hazardous waste. CORRECTIVE ACTION: Immediately submit the required hazardous waste treatment notification to CERS for review by the CUPA.

Violation Description:

Failure to submit the signature page for the onsite treatment notification.

Violations

Violation Date: 08/05/2015 ***Violation Source:*** CERS
Violation Program: CE ***Violation Division:*** Los Angeles County Fire Department
Citation: HSC 6.5 25201.5(i) - California Health and Safety Code, Chapter 6.5, Section(s) 25201.5(i)
Violation Notes:

Returned to compliance on 07/11/2018. VERIFY IF EVAPORATOR FOR OIL AND WATER COULD BE USED FOR OILY WATER WITH LEAD.Please add program element(s) to existing FA#: FA Please change the facility/owner information to existing FA#: FA Create a new FA/OW/AR/PR for this facility. No current FA# in the system GENERAL PROGRAM DETAILS Add Program Element(s): Beginning Date: Old Owner End Date (If applicable): GENERAL FACILITY INFORMATION EPA ID #: CERS #: SIC Code (4 digit #): Unincorporated: Number of Employees: Care Of: Tax ID: Driver's License: Business Type (INC, LLC, Indv, etc): ALTERNATE BILLING OR MAILING ADDRESS (IF APPLICABLE): EMERGENCY CONTACTS (PRIMARY): Name: Title: Business Phone: 24-Hour Phone: Pager #: EMERGENCY CONTACTS (SECONDARY): Name: Title: Business Phone: 24-Hour Phone: Pager #: ENVIRONMENTAL CONTACT: Name: Phone Number: Email: Mailing Address:

Violation Description:

Failure to submit to the CUPA and the Department an amended notification at least 30 days after a change has occurred.

Violations

Violation Date: 08/05/2015 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Los Angeles County Fire Department

Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Notes:

Returned to compliance on 12/05/2017. CURRENT MANIFEST NEEDED.OBSERVATION: Uniform manifests [note which ones and the specific waste] were found showing disposal of hazardous wastes without making a determination if the waste must be treated before it can be land disposed. A generator of hazardous waste shall determine if the waste has to be treated before it can be land disposed. CORRECTIVE ACTION – Submit written documentation showing that the waste generator has determined if each waste stream has to be treated before it can be land disposed.

Violation Description:

Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.

Evaluations

Eval Date: 07/11/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: CE
Eval Source: CERS
Eval Notes:

Eval Date: 07/11/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 12/06/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: CE
Eval Source: CERS
Eval Notes:

Eval Date: 06/13/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

CRAIG AUZENNE NO SIGNIFICANT VIOLATIONS OBSERVED; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/05/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

DAVID FUSSEL, MANAGER; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/19/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

CRAIG AUZENNE NO SIGNIFICANT VIOLATIONS OBSERVED; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/13/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: CE
Eval Source: CERS
Eval Notes:

CRAIG AUZENNE; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/05/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

DAVID FUSSEL, MANAGER; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/19/2020
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

CRAIG AUZENNE NO SIGNIFICANT VIOLATIONS OBSERVED; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/05/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

manifest provided.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/04/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

hw with lead disposed directly as hw rather being treated. manifest 013722851jjk.; Note: data in [EVAL Notes] field for some records is truncated from

the source.

Eval Date: 09/04/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: CE
Eval Source: CERS
Eval Notes:

test result of stencil shows below threshold limit so discharging the waste stream into evaporator.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/01/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Manifest was requested via email.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/13/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

CRAIG AUZENNE; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/05/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: CE
Eval Source: CERS
Eval Notes:

DAVID FUSSEL, MANAGER; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 1330 E Cypress St
City: Covina
State: CA
Country:
Zip Code: 91724
Phone:

Affil Type Desc: Operator
Entity Name: Craig Auzenne
Entity Title:
Address:
City:

State:
Country:
Zip Code:
Phone: (626) 699-6469

Affil Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title:
Address: 5825 Rickenbacker Road
City: Commerce
State: CA
Country:
Zip Code: 90040-3027
Phone: (323) 890-4000

Affil Type Desc: Property Owner
Entity Name: TT Electronics
Entity Title:
Address: 1330 East Cypress Street
City: Covina
State: CA
Country: United States
Zip Code: 91724
Phone: (626) 699-6469

Affil Type Desc: Environmental Contact
Entity Name: Craig Auzenne
Entity Title:
Address: 1330 E Cypress St
City: Covina
State: CA
Country:
Zip Code: 91724
Phone:

Affil Type Desc: Legal Owner
Entity Name: TT Electronics
Entity Title:
Address: 1330 E Cypress Street
City: Covina
State: CA
Country: United States
Zip Code: 91724
Phone: (626) 699-6400

Affil Type Desc: Identification Signer
Entity Name: Angie Avila
Entity Title: Site Controller
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: David Fussel
Entity Title: EH
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Document Preparer
Entity Name: Craig Auzenne
Entity Title:
Address:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Parent Corporation
Entity Name: TT Electronics
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Coordinates

Env Int Type Code: HMBP
Program ID: 10844161
Latitude: 34.095230
Longitude: -117.862690
Coord Name:
Ref Point Type Desc: Center of a facility or station.

1	22 of 22	NNW	0.00 / 0.00	669.48 / 0	TT ELECTRONICS POWER SOLUTIONS INC 1330 E CYPRESS ST COVINA CA 91724	FINDS/FRS

Registry ID: 110070797187
FIPS Code: 06037
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 10-JUN-20
Update Date:
Interest Types: UNSPECIFIED UNIVERSE
SIC Codes:
SIC Code Descriptions:
NAICS Codes: 334515
NAICS Code Descriptions: INSTRUMENT MANUFACTURING FOR MEASURING AND TESTING ELECTRICITY AND ELECTRICAL SIGNALS.
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 09
County Name: LOS ANGELES
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070797187
Program Acronyms:

RCRAINFO:CAL000453832

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 1	W	0.01 / 44.19	667.35 / -2	STOP-N-GO #57 NAT'L CONVENIENCE 836 N GLENDORA AVE COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0012654
CERS ID: 0

Inactive Facility Details

PE: 3001

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of 14	WNW	0.01 / 72.85	667.94 / -2	76 PRODUCTS STATION #5012 856 GLENDORA AVE N COVINA CA 91722	LUST

Global ID: T0603703605
Status: COMPLETED - CASE CLOSED
Status Date: 6/18/1991
Case Type: LUST CLEANUP SITE
Date Source: LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download
County: LOS ANGELES
Latitude: 34.09551
Longitude: -117.863451

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No: I-10313
Local Case No:
Begin Date: 3/16/1990
Lead Agency: LOS ANGELES COUNTY
Local Agency: LOS ANGELES COUNTY
CUF Case: NO
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: San Gabriel River - Upper San Gabriel (405.20)
DWR GW Subbasin Name: San Gabriel Valley (4-013)
Disadvantaged Community:
Site History:
Potential COC: Gasoline
How Discovered:
Stop Method:
Stop Description:
Case Worker: JOA
File Location:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: Other
Date : 3/16/1990
Action: Leak Reported

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
City: ALHAMBRA
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
Email: jawujo@dpw.lacounty.gov
Phone No: 6264583507

Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
City: Los Angeles
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
Email: yrong@waterboards.ca.gov
Phone No:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 6/18/1991

Status: Open - Case Begin Date

Status Date: 3/16/1990

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name:	76 PRODUCTS STATION #5012	***Potential COC:***	GASOLINE
Site Facility Type:	LUST CLEANUP SITE	***Facility Type:***	
Cleanup Status:	COMPLETED - CASE CLOSED	***Composting Method:***	
Project Status:		***Address:***	856 GLENDORA AVE N
WDR Place Type:		***City:***	COVINA
WDR File:		***Zip:***	91722
WDR Order:		***County:***	LOS ANGELES
CUF Priority Assig:		***CUF Claim:***	
CUF Amount Paid:			
File Location:			

Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0603703605
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 6/18/1991
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0603703605&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: San Gabriel Valley (4-013)
Calwater Watershed Name: San Gabriel River - Upper San Gabriel (405.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: LOS ANGELES COUNTY (LEAD)
CASEWORKER: JOHN AWUJO
LOS ANGELES RWQCB (REGION 4) - CASE #: I-10313
CASEWORKER: YUE RONG
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 6/18/1991

Status: Open - Case Begin Date
Date : 3/16/1990

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Leak Action
Action Date: 3/16/1990
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

3	2 of 14	WNW	0.01 / 72.85	667.94 / -2	856 N GLENDORA AVE COVINA CA 91722	LA HMS

Site No: 010406
Area: 6B

Detail Info

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Permit No: 00001734T
Permit Cat Desc: Underground Storage Tank
Status Code: CLOS
Status Desc: Permit Closed
Permit Status Desc: Permit Closed
Permit Type: 0
Permit Type Desc: Underground Storage Tank Operating Permit
Permit Status Code: CLOS
Permit Category: T
File No: 010313
File Name: UNOCAL CORP SS 5012

Detail Info

Permit No: 000204885
Permit Cat Desc: Underground Storage Tank
Status Code: REM
Status Desc: Equipment Removed
Permit Status Desc: Equipment Removed
Permit Type: 0
Permit Type Desc: Underground Storage Tank Operating Permit
Permit Status Code: REM
Permit Category: T
File No: 024965
File Name: CIRCLE K STORES #5771

3	3 of 14	WNW	0.01 / 72.85	667.94 / -2	856 N GLENDORA AVE COVINA CA 91724	LA HMS

Site No: 005314
Area: 6B

Detail Info

Permit No: 00002146J
Permit Cat Desc: Industrial Waste Permit
Status Code: CLOS
Status Desc: Permit Closed
Permit Status Desc: Permit Closed
Permit Type: 00
Permit Type Desc: Open Industrial Waste Permit Record (historic)
Permit Status Code: CLOS
Permit Category: I
File No: I05514
File Name: UNION SERVICE STATION

3	4 of 14	WNW	0.01 / 72.85	667.94 / -2	UNION OIL SERV STATION 5012 856 NORTH GLENDORA AVENUE COVINA CA 91722	HHSS

County: Los Angeles
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028ea1.pdf

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3	5 of 14	WNW	0.01 / 72.85	667.94 / -2	STATION 5012 856 NORTH GLENDORA AVE. COVINA CA 91722	HHSS

County: Los Angeles
Pdf File Url: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000292f2.pdf

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3	6 of 14	WNW	0.01 / 72.85	667.94 / -2	COVINA AUTO REPAIR & SERVICE 856 N GLENDORA AVE COVINA CA 91722	HAZNET

SIC Code: 7538
NAICS Code: 811111
EPA ID: CAL000265064
Create Date: 1/16/2003
Fac Act Ind: No
Inact Date: 3/20/2008
County Code: 19
Mailing City: COVINA
Mailing State: CA
Mailing Zip: 917220000
Region Code: 3
Owner Name: EHSAN SAFI
Owner Addr 1: 1759 PASEO VERANO
Owner Addr 2:

County Name:	Los Angeles	**Owner City:**	SAN DIMAS
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	856 N GLENDORA	**Owner Zip:**	91773
Mailing Addr 2:		**Owner Phone:**	9095997451
Owner Fax:			

Contact Information

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Contact Name:	EHSAN SAFI
Street Address 1:	1759 PASEO VERANO
Street Address 2:	
City:	SAN DIMAS
State:	CA
Zip:	91773
Phone:	6269748800
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Tanner Information

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Generator EPA ID:	CAL000265064
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	1.729
Year:	2012
--	--
Generator EPA ID:	CAL000265064
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	1.748
Year:	2013
--	--
Generator EPA ID:	CAL000265064
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	1.9
Year:	2014
--	--
Generator EPA ID:	CAL000265064
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	0.19
Year:	2015
--	--
Generator EPA ID:	CAL000265064
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	H039
Method Description:	OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION, ORGANICS RECOVERY ECT
Tons:	2.28
Year:	2015
--	--
Generator EPA ID:	CAL000265064
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	221
State Waste Code Desc.:	Waste oil and mixed oil
Method Code:	
Method Description:	
Tons:	0.912
Year:	2004
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	7 of 14	WNW	0.01 / 72.85	667.94 / -2	GLENDORA-CYPRESS 76 856 N GLENDORA COVINA CA 917240000	HAZNET

SIC Code:		**Mailing City:**	COVINA
NAICS Code:		**Mailing State:**	CA
EPA ID:	CAL000015183	**Mailing Zip:**	917240000
Create Date:	11/14/1989	**Region Code:**	3
Fac Act Ind:	No	**Owner Name:**	AHMAD AKHTEH, OWNER
Inact Date:	6/30/1995	**Owner Addr 1:**	856 N GLENDORA
County Code:	19	**Owner Addr 2:**	
County Name:	Los Angeles	**Owner City:**	COVINA
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	856 N GLENDORA	**Owner Zip:**	917240000
Mailing Addr 2:		**Owner Phone:**	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	UNDELIVERABLE PER 95 FEES FORM
Street Address 1:	NW
Street Address 2:	
City:	COVINA
State:	CA
Zip:	917240000
Phone:	--
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	8 of 14	WNW	0.01 / 72.85	667.94 / -2	UNOCAL SERVICE STATION #5012 856 GLENDORA AVENUE COVINA CA 917220000	HAZNET

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SIC Code:		**Mailing City:**	SANTA ANA
NAICS Code:		**Mailing State:**	CA
EPA ID:	CAL000046398	**Mailing Zip:**	927995376
Create Date:	2/15/1991	**Region Code:**	3
Fac Act Ind:	No	**Owner Name:**	UNION OIL COMPANY OF CALIFORNI
Inact Date:	6/30/1997	**Owner Addr 1:**	DBA UNOCAL
County Code:	19	**Owner Addr 2:**	
County Name:	Los Angeles	**Owner City:**	EL SEGUNDO
Mail Name:	HAZMAT COMPL COORD, RM 9001	**Owner State:**	CA
Mailing Addr 1:	PO BOX 25376	**Owner Zip:**	902450000
Mailing Addr 2:		**Owner Phone:**	7144286560
Owner Fax:			

Contact Information

--	--
Contact Name:	CHRISTOPHER Z HILL
Street Address 1:	PO BOX 25376 CANX VQ97 CC
Street Address 2:	
City:	SANTA ANA
State:	CA
Zip:	927995376
Phone:	7144286802
--	--
--	--

Tanner Information

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Generator EPA ID:	CAL000046398
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	R01
Method Description:	Recycler
Tons:	1.68
Year:	1996
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	9 of 14	WNW	0.01 / 72.85	667.94 / -2	CIRCLE K STORES INC STATION #5771 856 N GLENDORA COVINA CA 917220000	HAZNET

SIC Code:		**Mailing City:**	PHOENIX
NAICS Code:		**Mailing State:**	AZ
EPA ID:	CAL000169268	**Mailing Zip:**	850722085
Create Date:	4/24/1997	**Region Code:**	3
Fac Act Ind:	No	**Owner Name:**	TOSCO MARKETING
Inact Date:	6/30/2002	**Owner Addr 1:**	PO BOX 52085
County Code:	19	**Owner Addr 2:**	
County Name:	Los Angeles	**Owner City:**	PHOENIX
Mail Name:		**Owner State:**	AZ
Mailing Addr 1:	PO BOX 52085	**Owner Zip:**	850722085
Mailing Addr 2:		**Owner Phone:**	6027284180
Owner Fax:			

Contact Information

--	--
Contact Name:	HAZMAT SPECIALIST
Street Address 1:	PO BOX 52085
Street Address 2:	
City:	PHOENIX
State:	AZ
Zip:	850722085
Phone:	6027284180
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

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Tanner Information	
--	--
Generator EPA ID:	CAL000169268
Generator County Code:	19
Generator County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	134
State Waste Code Desc.:	Aqueous solution with total organic residues less than 10 percent
Method Code:	T01
Method Description:	Treatment, tank
Tons:	4.2
Year:	1998
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	10 of 14	WNW	0.01 / 72.85	667.94 / -2	76 PRODUCTS STATION #5012 856 GLENDORA AVE N COVINA CA 91722	FINDS/FRS

Registry ID:	110066154574
FIPS Code:	
HUC Code:	18070106
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	14-OCT-15
Update Date:	
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	32
Census Block Code:	060374037021003
EPA Region Code:	09
County Name:	LOS ANGELES
US/Mexico Border Ind:	
Latitude:	34.09551
Longitude:	-117.86345
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066154574
Program Acronyms:	

CA-ENVIROVIEW:191403

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	11 of 14	WNW	0.01 / 72.85	667.94 / -2	STATION #5012 856 NORTH GLENDORA AVE. COVINA CA	HIST TANK

Owner Name:	UNION OIL COMPANY OF CALIFORNI	No of Containers:	1
Owner Street:	1450 FRAZEE ROAD	County:	LOS ANGELES
Owner City:	SAN DIEGO	Facility State:	CA
Owner State:	CA	Facility Zip:	91722
Owner Zip:	92108		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	12 of 14	WNW	0.01 / 72.85	667.94 / -2	UNION OIL SERV. STATION #5012 856 NORTH GLENDORA AVENUE COVINA CA	HIST TANK

Owner Name: UNION OIL CO. OF CALIF.
Owner Street: 123 CAMINO DE LA REINA
Owner City: SAN DIEGO
Owner State: CA
Owner Zip: 92108
No of Containers: 3
County: LOS ANGELES
Facility State: CA
Facility Zip: 91722

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	13 of 14	WNW	0.01 / 72.85	667.94 / -2	76 PRODUCTS CO - #5012 GLENDORA 856 N GLENDORA AVE COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0012652
CERS ID: 0

Inactive Facility Details

PE: 3001

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	14 of 14	WNW	0.01 / 72.85	667.94 / -2	UNOCAL CORP SS 5012 856 N GLENDORA AVE COVINA CA	UST SWEEPS

C C: A19-000-10313
BOE: 44-001057
Comp: 10313
Status: ACTIVE
No of Tanks: 3
Jurisdict: LOS ANGELES COUNTY
Agency: WASTE MANAGEMENT DEPARTMENT
Phone:
D Filename: SITE04A
Page No: 185
County: LOS ANGELES
State : CA
Zip:
Latitude: 34.095276
Longitude: -117.863574
Georesult: S5HPNTSC-A

Tank Details

Tank ID: 000001
O Tank ID:
SWRCB No: 19-000-010313-000001
Removed:
Installed:
A Date: 06-30-89
Capac:
Tank Use: UNKNOWN
S Contain:
Stg: W
Storage :
Storag Type: WASTE
P Contain:
Content:
ONA:
D File Name: TANK4A

Tank Details

Tank ID: 000003
O Tank ID:
SWRCB No: 19-000-010313-000003
Removed:
Installed:
A Date: 06-30-89
Capac:
Tank Use: UNKNOWN
S Contain:
Stg: W
Storage :
Storag Type: WASTE
P Contain:
Content:
ONA:
D File Name: TANK4A

Tank Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank ID:	000002	**S Contain:**	
O Tank ID:		**Stg:**	W
SWRCB No:	19-000-010313-000002	**Storage :**	
Removed:		**Storag Type:**	WASTE
Installed:		**P Contain:**	
A Date:	06-30-89	**Content:**	
Capac:		**ONA:**	
Tank Use:	UNKNOWN	**D File Name:**	TANK4A

4 | **1 of 1** | **ENE** | **0.03 / 175.25** | **675.50 / 6** | **CYPRESS AVE ANIMAL HOSPITAL**
1400 E CYPRESS ST
COVINA CA 91724 | **LA COUNTY CUPA**

Facility ID: FA0008549
CERS ID: 0

Inactive Facility Details

PE: 3001

5 | **1 of 1** | **ENE** | **0.03 / 179.03** | **675.50 / 6** | **MARY CAGE**
1400 E. CYPRESS ST
COVINA CA 91724 | **RCRA NON GEN**

EPA Handler ID:	CAC003092298
Gen Status Universe:	No Report
Contact Name:	MARY CAGE
Contact Address:	1400 E. CYPRESS ST , , COVINA , CA, 91724 ,
Contact Phone No and Ext:	626-331-0775
Contact Email:	KRISTINE.RAMOS@PEAS1.COM
Contact Country:	
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	
Receive Date:	20201110
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sequence No: 1
Receive Date: 20201110
Handler Name: MARY CAGE
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: MARY CAGE
Date Became Current:
Date Ended Current:
Phone: 626-331-0775
Source Type: Implementer
Street No:
Street 1: 1400 E. CYPRESS ST
Street 2:
City: COVINA
State: CA
Country:
Zip Code: 91724

Owner/Operator Ind: Current Operator
Type: Other
Name: MARY CAGE
Date Became Current:
Date Ended Current:
Phone: 626-331-0775
Source Type: Implementer
Street No:
Street 1: 1400 E. CYPRESS ST
Street 2:
City: COVINA
State: CA
Country:
Zip Code: 91724

6	1 of 1	WSW	0.04 / 186.22	664.97 / -5	827 N GLENDORA AVE COVINA CA 91724	LA HMS

Site No: 022826
Area: 6B

Detail Info

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 031960
File Name: GRAPHICS UNITED

7	1 of 1	WSW	0.04 / 186.23	664.97 / -5	LOTHRINGER ENGINEERING 825 N GLENDORA AVE COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0012655
CERS ID: 0

Inactive Facility Details

PE: 3001

8	1 of 1	WSW	0.04 / 186.24	664.51 / -5	821 N GLENDORA AVE COVINA CA 91724	LA HMS

Site No: 022825
Area: 6B

Detail Info

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 031959
File Name: H&T DRAPERY SERVICE

9	1 of 1	W	0.04 / 187.10	665.52 / -4	MILLBROOK BREAD 837 N GLENDORA AVE COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0012653
CERS ID: 10798048

Inactive Facility Details

PE: 3003

10	1 of 2	WSW	0.04 / 188.20	662.81 / -7	GRAPHICS UNITED 809 N GLENDORA AVE COVINA CA 91724	CERS HAZ

Site ID: 520267
Latitude: 34.094584
Longitude: -117.863854
County:

Regulated Programs

EI ID: 10289695
EI Description: Chemical Storage Facilities

Violations

Violation Date: 02/17/2016
Violation Source: CERS
Violation Program: HMRRP
Violation Division: Los Angeles County Fire Department
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Notes:

Returned to compliance on 10/31/2017. OBSERVATION: The business plan has not been updated and submitted to the CUPA within 30 days . CORRECTIVE ACTION: Review, revise, and certify the business plan electronically in the California Environmental Reporting System (CERS).

Violation Description:

Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Evaluations

Eval Date: 10/19/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 06/01/2016
Violations Found: No
Eval General Type: Other/Unknown

Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

plan is blank; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/17/2016
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Kimberly Bainbridge, manager; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/18/2019
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

BRENDA MORENO NO SIGNIFICANT VIOLATIONS OBSERVED; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/11/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

plan is blank; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/21/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

plan is blank.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/31/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Legal Owner
Entity Name: Robert R. Breaux Jr.
Entity Title:
Address: 809 N. Glendora Ave.
City: Covina
State: CA
Country: United States
Zip Code: 91724
Phone: (626) 967-5862

Affil Type Desc: Identification Signer
Entity Name: Kimberly Bainbridge
Entity Title: Prep Dept Supervisor
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 809 N. Glendora Ave.
City: Covina
State: CA
Country:
Zip Code: 91724
Phone:

Affil Type Desc: Document Preparer
Entity Name: Kimberly Bainbridge
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: Robert R. Breaux Jr.
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (626) 967-5862

Affil Type Desc: Environmental Contact
Entity Name: Robert R. Breaux Jr.
Entity Title:
Address: 809 N GLENDORA AVE
City: COVINA
State: CA
Country:
Zip Code: 91724
Phone:

Affil Type Desc: Parent Corporation
Entity Name: GRAPHICS UNITED
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Affil Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title:
Address: 5825 Rickenbacker Road
City: Commerce
State: CA
Country:
Zip Code: 90040-3027
Phone: (323) 890-4000

Coordinates

Env Int Type Code: HMBP
Program ID: 10289695
Latitude: 34.094580
Longitude: -117.863850
Coord Name:
Ref Point Type Desc: Center of a facility or station.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	2 of 2	WSW	0.04 / 188.20	662.81 / -7	GRAPHICS UNITED 809 N GLENDORA AVE COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0012651
CERS ID: 10289695

Active Facility Details

PE: 3001

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
11	1 of 1	SW	0.04 / 193.18	662.51 / -7	COVINA HEAD & MOTOR 803 N GLENDORA COVINA CA 91724	RCRA SQG

EPA Handler ID: CAD981429871
Gen Status Universe: Small Quantity Generator
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 803 N GLENDORA , , COVINA , CA, 91724 , US
Contact Phone No and Ext: 818-331-0897
Contact Email:
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 19860601
Location Latitude: 34.103933
Location Longitude: -117.86364

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19860601
Handler Name: COVINA HEAD & MOTOR
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: EASTON DAVID
Date Became Current:
Date Ended Current:
Phone: 415-555-1212
Source Type: Notification
Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:
Zip Code: 99999

Owner/Operator Ind: Current Operator
Type: Private
Name: NOT REQUIRED
Date Became Current:
Date Ended Current:
Phone: 415-555-1212
Source Type: Notification
Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:
Zip Code: 99999

12	1 of 1	ESE	0.04 / 203.47	671.61 / 2	EMAN TANAGHO 829 NORTH LANGHAM AVENUE COVINA CA 91724	RCRA NON GEN

EPA Handler ID: CAC002979839
Gen Status Universe: No Report
Contact Name: EMAN TANAGHO
Contact Address: 829 NORTH LANGHAM AVENUE , , COVINA , CA, 91724 ,
Contact Phone No and Ext: 626-257-8999
Contact Email: VIANCATARANGO@ALLIANCE-ENVIRO.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20180911
Location Latitude: 34.094579
Location Longitude: -117.861625

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No

Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20180911
Handler Name:	EMAN TANAGHO
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	829 NORTH LANGHAM AVENUE
Name:	EMAN TANAGHO	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	626-257-8999	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	829 NORTH LANGHAM AVENUE
Name:	EMAN TANAGHO	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	626-257-8999	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724

13	*1 of 1*	***ENE***	***0.05 / 262.93***	***676.61 / 7***	***1418 E CYPRESS ST COVINA CA 91724***	***LA HMS***

Site No:	021303
Area:	6B

Detail Info

Permit No:		**Permit Status Code:**	
Permit Cat Desc:		**Permit Category:**	
Status Code:	OPEN	**File No:**	030143
Status Desc:	File Opened, no permit exists	**File Name:**	DERRAY TECHNOLOGY
Permit Status Desc:			
Permit Type:			
Permit Type Desc:			

14	*1 of 1*	***ENE***	***0.05 / 286.62***	***677.06 / 7***	***1422 E CYPRESS ST COVINA CA 91724***	***LA HMS***

Site No:	021304
Area:	6B

Detail Info

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 030144
File Name: HOLAN ENTERPRISE USA

15	1 of 3	WNW	0.07 / 386.08	663.83 / -6	1274 E CYPRESS ST COVINA CA 91724	LA HMS

Site No: 021301
Area: 6B

Detail Info

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 030141
File Name: CUSTOM STAMPING INC

15	2 of 3	WNW	0.07 / 386.08	663.83 / -6	CUSTOM STAMPING INC 1274 E CYPRESS ST COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0008550
CERS ID: 10797769

Inactive Facility Details

PE: 3002

PE: 1002

15	3 of 3	WNW	0.07 / 386.08	663.83 / -6	CUSTOM TAMPING & MFG INC 1274 E CYPRESS ST COVINA CA 91724-0000	RCRA NON GEN

EPA Handler ID: CAD052274388
Gen Status Universe: No Report
Contact Name: FRANK J TRULSON
Contact Address: US
Contact Phone No and Ext: 818-967-4291 x0216
Contact Email:
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 19910620
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Handler Summary

Importer Activity:	
Mixed Waste Generator:	
Transporter Activity:	
Transfer Facility:	
Onsite Burner Exemption:	
Furnace Exemption:	
Underground Injection Activity:	
Commercial TSD:	No
Used Oil Transporter:	
Used Oil Transfer Facility:	
Used Oil Processor:	
Used Oil Refiner:	
Used Oil Burner:	
Used Oil Market Burner:	
Used Oil Spec Marketer:	

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19910620
Handler Name:	CUSTOM TAMPING & MFG INC
Source Type:	Annual/Biennial Report
Federal Waste Generator Code:	1
Generator Code Description:	Large Quantity Generator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	1 of 1	WNW	0.07 / 391.05	663.83 / -6	TITUS BROWN 1253 E CYPRESS ST COVINA CA 91724	RCRA NON GEN

EPA Handler ID:	CAC003096555
Gen Status Universe:	No Report
Contact Name:	TITUS BROWN
Contact Address:	1253 E CYPRESS ST , , COVINA , CA, 91724 ,
Contact Phone No and Ext:	909-342-3271
Contact Email:	EPA4HAZ@GMAIL.COM
Contact Country:	
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	
Receive Date:	20201210
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20201210
Handler Name: TITUS BROWN
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: TITUS BROWN
Date Became Current:
Date Ended Current:
Phone: 909-342-3271
Source Type: Implementer
Street No:
Street 1: 1253 E CYPRESS ST
Street 2:
City: COVINA
State: CA
Country:
Zip Code: 91724

Owner/Operator Ind: Current Owner
Type: Other
Name: TITUS BROWN
Date Became Current:
Date Ended Current:
Phone: 909-342-3271
Source Type: Implementer
Street No:
Street 1: 1253 E CYPRESS ST
Street 2:
City: COVINA
State: CA
Country:
Zip Code: 91724

17	1 of 1	NW	0.08 / 442.82	669.81 / 0	FRANK HERNANDEZ POOLS 946 N GLENDORA AVE COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0012650
CERS ID: 10798084

Inactive Facility Details

PE: 3500

PE: 3001

18	1 of 1	E	0.09 / 458.54	678.54 / 9	ALAN & ELAINE DUNN 839 N RIMHURST AVE COVINA CA 91724	RCRA NON GEN

EPA Handler ID: CAC003075354
Gen Status Universe: No Report
Contact Name: ALAN & ELAINE DUNN
Contact Address: 839 N RIMHURST AVE , , COVINA , CA, 91724 ,
Contact Phone No and Ext: 626-278-4488
Contact Email: ANAB@PWSEI.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20200717
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20200717
Handler Name:	ALAN & ELAINE DUNN
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	839 N RIMHURST AVE
Name:	ALAN & ELAINE DUNN	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	626-278-4488	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	839 N RIMHURST AVE
Name:	ALAN & ELAINE DUNN	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	626-278-4488	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
19	1 of 2	W	0.11 / 606.91	661.90 / -8	CTG INTERNATIONAL 1268 E EDNA PL COVINA CA 91724	CERS HAZ

Site ID:	109096
Latitude:	34.095169
Longitude:	-117.865194
County:	

Regulated Programs

EI ID:	10297672	**EI Description:**	Chemical Storage Facilities

Violations

Violation Date: 08/04/2017 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Los Angeles County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 12/13/2017. OBSERVATION: The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. CORRECTIVE ACTION: Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 09/03/2020 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Los Angeles County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

OBSERVATION: The hazardous materials inventory submitted in CERS on 12/5/2019 was not accepted due to missing information. CORRECTIVE ACTION: Login to your business portal in CERS (www.cers.calepa.ca.gov) and re-submit the hazardous materials inventory with the following corrections: a. Remove all the obsolete federal hazard categories of propane. b. Complete the largest container of propane (256 cu ft) c. Complete the maximum/average daily amount of propane (1536 cu ft)

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 05/14/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Los Angeles County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 12/13/2017.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 05/14/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Los Angeles County Fire Department
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 08/23/2016.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date: 05/14/2015 ***Violation Source:*** CERS

Violation Program: HMRRP ***Violation Division:*** Los Angeles County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 12/13/2017.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 05/14/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Los Angeles County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 08/23/2016.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 08/04/2017 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Los Angeles County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 12/13/2017. OBSERVATION: The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment CORRECTIVE ACTION: Complete and electronically submit a site map with all required content.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Evaluations

Eval Date: 05/14/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

JIMMY CERVANTES, WAREHOUSE MANAGER NEED TO SUBMIT INFORMATION INTO CERS AT ONCE; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/29/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 08/23/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 08/04/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Jimmy Cervants, operation manager; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/05/2016
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

NO CERS; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/03/2020
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

ELEANOR SHU/JIMMY CORUMLES; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/02/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 09/08/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

no cers.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date:	12/13/2017
Violations Found:	No
Eval General Type:	Other/Unknown
Eval Type:	Other, not routine, done by local agency
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval Notes:	

CERS issue resolved.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	
Address:	1268 E EDNA PL
City:	COVINA
State:	CA
Country:	
Zip Code:	91724
Phone:	

Affil Type Desc:	Environmental Contact
Entity Name:	JOANNA HONG
Entity Title:	
Address:	1268 E EDNA PLACE
City:	COVINA
State:	CA
Country:	
Zip Code:	91724
Phone:	

Affil Type Desc:	Operator
Entity Name:	JIMMY Cervantes
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(626) 264-7032

Affil Type Desc:	Legal Owner
Entity Name:	CTG INTERNATIONAL
Entity Title:	
Address:	1268 E EDNA PL
City:	COVINA
State:	CA
Country:	United States
Zip Code:	91724
Phone:	(626) 332-0800

Affil Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	
Address:	5825 Rickenbacker Road
City:	Commerce
State:	CA
Country:	
Zip Code:	90040-3027
Phone:	(323) 890-4000

Affil Type Desc:	Parent Corporation
Entity Name:	CTG INTERNATIONAL
Entity Title:	
Address:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Identification Signer
Entity Name: JIMMY CERVANTES
Entity Title: WHS MANAGER
Address:
City:
State:
Country:
Zip Code:
Phone:

Coordinates

Env Int Type Code: HMBP
Program ID: 10297672
Latitude: 34.095170
Longitude: -117.865190
Coord Name:
Ref Point Type Desc: Center of a facility or station.

19	2 of 2	W	0.11 / 606.91	661.90 / -8	CTG INTERNATIONAL 1268 E EDNA PL COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0009607
CERS ID: 10297672

Active Facility Details

PE: 3000

Inactive Facility Details

PE: 1003

20	1 of 1	W	0.12 / 615.46	661.90 / -8	1263 E EDNA PL COVINA CA 91724	LA HMS

Site No: 021351
Area: 6B

Detail Info

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 030193
File Name: ADVICE PRINTING

21	1 of 1	WSW	0.12 / 620.61	658.53 / -11	G AND K MACHINE CO INC 1236 E EONA PL COVINA CA 91724-2509	RCRA SQG

EPA Handler ID: CAD983600099
Gen Status Universe: Small Quantity Generator
Contact Name: NEIL GILLIS
Contact Address: 1236 E EONA PL , , COVINA , CA, 91724-2509 , US

Contact Phone No and Ext:	818-331-1663
Contact Email:	
Contact Country:	US
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	Municipal
Receive Date:	19910805
Location Latitude:	34.089675
Location Longitude:	-118.425837

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19910805
Handler Name:	G AND K MACHINE CO INC
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Municipal	***Street 1:***	1116 E EDNA PL
Name:	MONA LEE ARCE	***Street 2:***	
Date Became Current:		***City:***	COVINA
Date Ended Current:		***State:***	CA
Phone:	818-332-2914	***Country:***	
Source Type:	Notification	***Zip Code:***	91724-2509

22	***1 of 6***	***W***	***0.12 / 621.14***	***659.26 / -11***	***PER LUX INC 1242 E EDNA PLACE COVINA CA 91724***	***RCRA SQG***

EPA Handler ID:	CAD981685555
Gen Status Universe:	Small Quantity Generator
Contact Name:	
Contact Address:	US
Contact Phone No and Ext:	
Contact Email:	
Contact Country:	US

County Name:	LOS ANGELES
EPA Region:	09
Land Type:	
Receive Date:	19960901
Location Latitude:	34.094829
Location Longitude:	-117.865254

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19861023
Handler Name:	PER LUX INC
Federal Waste Generator Code:	1
Generator Code Description:	Large Quantity Generator
Source Type:	Notification

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19960901
Handler Name:	PER LUX INC
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	NOT REQUIRED	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Implementer	***Zip Code:***	99999

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	PER LUX INC	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phone: 415-555-1212 **Country:**
Source Type: Notification **Zip Code:** 99999

Historical Handler Details

Receive Dt: 19861023
Generator Code Description: Large Quantity Generator
Handler Name: PER LUX INC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	2 of 6	W	0.12 / 621.14	659.26 / -11	PER-LUX INC 1242 E EDNA PL COVINA CA 91723	EMISSIONS

1987 Criteria Data

Facility ID: 5455
Facility SIC Code: 3444
CO: 19
Air Basin: SC
District: SC
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: 1.2
ROGT: 0
COT:
NOXT:
SOXT:
PMT:
PM10T:

1987 Toxic Data

Facility ID: 5455
Facility SIC Code: 3444
CO: 19
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

1990 Criteria Data

Facility ID: 5455
Facility SIC Code: 3444
CO: 19
Air Basin: SC
District: SC
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: 1.2
ROGT: 0
COT:
NOXT:
SOXT:
PMT:
PM10T:

1990 Toxic Data

Facility ID: 5455
Facility SIC Code: 3444
CO: 19
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	3 of 6	W	0.12 / 621.14	659.26 / -11	ANVIL CASES 1242 E EDNA PL COVINA CA 91724	CERS HAZ

Site ID: 521492
Latitude: 34.094980
Longitude: -117.865620
County:

Regulated Programs

EI ID: 10787839 **EI Description:** Chemical Storage Facilities

EI ID: 10787839 **EI Description:** Hazardous Waste Generator

Violations

Violation Date: 03/12/2019 **Violation Source:** CERS
Violation Program: HW **Violation Division:** Los Angeles County Fire Department
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Notes:

Returned to compliance on 05/07/2019. OBSERVATION: Observed 4 x 55-gallon drums containing material from their lamination process at old location. The drums were shrink wrapped with plastic and appeared to contain waste glue. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that the contents of the drums have been properly characterized to determine if it is a hazardous waste. If determined to be hazardous submit a manifest/receipt documenting proper disposal.

Violation Description:

Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.

Violations

Violation Date: 03/12/2019 **Violation Source:** CERS
Violation Program: HW **Violation Division:** Los Angeles County Fire Department
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Notes:

Returned to compliance on 04/01/2019. OBSERVATION: The generator has not obtained an active EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an active EPA ID number. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that you have obtained an EPA ID number.

Violation Description:

Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.

Violations

Violation Date: 03/12/2019 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** Los Angeles County Fire Department
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/24/2019. OBSERVATION: The business failed to complete and electronically submit a business plan when handling hazardous materials at or above the reportable threshold quantities. CORRECTIVE ACTION: Complete and electronically submit a business plan. In CERS, complete and submit the following elements: Business Activities, Owner Information, Hazardous Materials Inventory, Site Map. Emergency REsponse Plan and Training Plan.

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 03/12/2019
Violation Source: CERS
Violation Program: HW
Violation Division: Los Angeles County Fire Department
Citation: Un-Specified
Violation Notes:

Returned to compliance on 04/01/2019. OBSERVATION: Owner/Operator failed to obtain or maintain an active hazardous waste and hazardous waste permit. CORRECTIVE ACTION: Every business or business concern within the jurisdiction of the LACoCUPA and subject to one or more of the program elements shall be required to apply for, pay the permit fees, and obtain from the LACoCUPA a unified program facility permit for the program elements applicable to such facility prior to the commencement of any business or activity related to any of the program elements. The permit required under this section shall be posted and conspicuously displayed at the location falling under the requirements of this chapter. Every person, business, or business concern within the jurisdiction of the LACoCUPA and subject to the requirements of one or more of the program elements shall be required to pay the applicable annual fees and any applicable late payment penalty and apply for and obtain from the LACoCUPA a unified program permit [Truncated]

Violation Description:

Hazardous Waste Generator Program - Administration/Documentation - General Local Ordinance

Evaluations

Eval Date: 03/12/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

VICTOR VILLA; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/12/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

VICTOR VILLA; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 1242 E Edna Place
City: Covina
State: CA
Country:
Zip Code: 91724
Phone:

Affil Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title:
Address: 5825 Rickenbacker Road
City: Commerce
State: CA
Country:
Zip Code: 90040-3027

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phone: (323) 890-4000

Affil Type Desc: Operator
Entity Name: Joseph E. Calzone III
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (203) 352-6900

Affil Type Desc: Identification Signer
Entity Name: Katrina Hernandez
Entity Title: Customer Service
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Document Preparer
Entity Name: Katrina Hernandez
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Parent Corporation
Entity Name: ANVIL CASES
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Victor Villa
Entity Title:
Address: 1242 E Edna Place
City: Covina
State: CA
Country:
Zip Code: 91724
Phone:

Affil Type Desc: Legal Owner
Entity Name: Anvil Cases Inc.
Entity Title:
Address: 1242 E Edna Place
City: Covina
State: CA
Country: United States
Zip Code: 91724
Phone: (626) 405-2800

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	4 of 6	W	0.12 / 621.14	659.26 / -11	ANVIL CASES 1242 E EDNA PL COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0009587
CERS ID: 10787839

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Active Facility Details

PE: 3001

PE: 1003

22	5 of 6	W	0.12 / 621.14	659.26 / -11	ANVIL CASES INC 1242 E EDNA PLACE COVINA CA 91724	RCRA TSD

EPA Handler ID: CAL000444823
Gen Status Universe: No Report
Contact Name: NATALIE GARCIA
Contact Address: 1242 E. EDNA PLACE , , COVINA , CA, 91724-0000 ,
Contact Phone No and Ext: 626-405-2809
Contact Email: NATALIE@ANVILCASE.COM
Contact Country:
Land Type:
County Name: LOS ANGELES
EPA Region: 09
Receive Date: 20190326
Location Latitude: 34.094829
Location Longitude: -117.865254

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190326
Handler Name: ANVIL CASES INC
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: ANVIL CASES INC
Street No:
Street 1: 1242 E. EDNA PLACE
Street 2:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	203-352-6900	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1242 E. EDNA PLACE
Name:	NATALIE GARCIA	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	626-405-2809	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724-0000

22	6 of 6	W	0.12 / 621.14	659.26 / -11	ANVIL CASES INC 1242 E EDNA PLACE COVINA CA 91724	RCRA NON GEN

EPA Handler ID:	CAL000444823
Gen Status Universe:	No Report
Contact Name:	NATALIE GARCIA
Contact Address:	1242 E. EDNA PLACE , , COVINA , CA, 91724-0000 ,
Contact Phone No and Ext:	626-405-2809
Contact Email:	NATALIE@ANVILCASE.COM
Contact Country:	
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	
Receive Date:	20190326
Location Latitude:	34.094829
Location Longitude:	-117.865254

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190326
Handler Name:	ANVIL CASES INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1242 E. EDNA PLACE
Name:	NATALIE GARCIA	***Street 2:***	
Date Became Current:		***City:***	COVINA
Date Ended Current:		***State:***	CA
Phone:	626-405-2809	***Country:***	
Source Type:	Implementer	***Zip Code:***	91724-0000

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1242 E. EDNA PLACE
Name:	ANVIL CASES INC	***Street 2:***	
Date Became Current:		***City:***	COVINA
Date Ended Current:		***State:***	CA
Phone:	203-352-6900	***Country:***	
Source Type:	Implementer	***Zip Code:***	91724

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	*1 of 1*	*WSW*	*0.12 / 635.56*	*658.25 / -12*	***PRECISION DRILLING & TAPPING 1234 E EDNA PKWY COVINA CA 91724***	***LA COUNTY CUPA***

Facility ID:	FA0050657
CERS ID:	10788145

Active Facility Details

PE:	1000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	*1 of 5*	*WSW*	*0.12 / 645.48*	*658.25 / -12*	***1236 E EDNA PL COVINA CA 91724***	***LA HMS***

Site No:	021350
Area:	6B

Detail Info

Permit No:		***Permit Status Code:***	
Permit Cat Desc:		***Permit Category:***	
Status Code:	OPEN	***File No:***	030192
Status Desc:	File Opened, no permit exists	***File Name:***	G&K MACHINE CO
Permit Status Desc:			
Permit Type:			
Permit Type Desc:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	*2 of 5*	*WSW*	*0.12 / 645.48*	*658.25 / -12*	***G & K MACHINE 1236 E EDNA PL COVINA CA 91724***	***CERS HAZ***

Site ID:	32161
Latitude:	34.094652
Longitude:	-117.865337
County:	

Regulated Programs

EI ID:	10282090	***EI Description:***	Chemical Storage Facilities
EI ID:	10282090	***EI Description:***	Hazardous Waste Generator

Violations

Violation Date: 04/24/2015
Violation Source: CERS
Violation Program: HMRRP
Violation Division: Los Angeles County Fire Department
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 03/12/2019. OBSERVATION: The Owner/Operator page has not been submitted to this department. CORRECTIVE ACTION: Complete the Owner/Operator page and submit electronically in the California Environmental Reporting System (CERS).

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Evaluations

Eval Date: 03/12/2019
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 12/07/2017
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

in LSF LIST; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/09/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

no CERS sign up yet.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/24/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

NEIL GIILIS,PRESIDENT NEED A CURRENT MANIFEST. HAZARDOUS WASTE LABEL WAS PROVIDED. ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/24/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department

Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

NEIL GILLIS,PRESIDENT SIGN INTO CERS ; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/12/2019
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Parent Corporation
Entity Name: G & K MACHINE
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: NEIL GILLIS
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (626) 331-1663

Affil Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title:
Address: 5825 Rickenbacker Road
City: Commerce
State: CA
Country:
Zip Code: 90040-3027
Phone: (323) 890-4000

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 1236 E EDNA PL
City: COVINA
State: CA
Country:
Zip Code: 91724
Phone:

Affil Type Desc: Legal Owner
Entity Name: NEIL GILLIS
Entity Title:
Address: 1236 E EDNA PL
City: COVINA
State: CA
Country: United States
Zip Code: 91724
Phone: (626) 331-1663

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Affil Type Desc: Environmental Contact
Entity Name: NEIL GILLIS
Entity Title:
Address: 1236 E Edna Pl
City: Covina
State: CA
Country:
Zip Code: 91724
Phone:

Coordinates

Env Int Type Code: HWG
Program ID: 10282090
Latitude: 34.094650
Longitude: -117.865340
Coord Name:
Ref Point Type Desc: Center of a facility or station.

24	3 of 5	WSW	0.12 / 645.48	658.25 / -12	G & K MACHINE 1236 E EDNA PL COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0009610
CERS ID: 10282090

Active Facility Details

PE: 3001

PE: 1000

24	4 of 5	WSW	0.12 / 645.48	658.25 / -12	OSCARS TOWING AND TRANSPORT 1236 E EDNA COVINA CA 91724	RCRA NON GEN

EPA Handler ID: CAP000007924
Gen Status Universe: No Report
Contact Name: ART CASTELLANOS
Contact Address: US
Contact Phone No and Ext: 626-961-9326
Contact Email:
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20070303
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No

Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20061130
Handler Name:	OSCARS TOWING AND TRANSPORT
Source Type:	Emergency
Federal Waste Generator Code:	
Generator Code Description:	

Hazardous Waste Handler Details

Sequence No:	2
Receive Date:	20070303
Handler Name:	OSCARS TOWING AND TRANSPORT
Source Type:	Emergency
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Historical Handler Details

Receive Dt:	20061130
Generator Code Description:	
Handler Name:	OSCARS TOWING AND TRANSPORT

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	5 of 5	WSW	0.12 / 645.48	658.25 / -12	OSCARS TOWING AND TRANSPORT 1236 E EDNA COVINA CA 91724	RCRA NON GEN

EPA Handler ID:	CAP007924
Gen Status Universe:	No Report
Contact Name:	ART CASTELLANOS
Contact Address:	US
Contact Phone No and Ext:	626-961-9326
Contact Email:	
Contact Country:	US
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	
Receive Date:	20061130
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20061130
Handler Name:	OSCARS TOWING AND TRANSPORT

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Source Type:		Emergency				
Federal Waste Generator Code:						
Generator Code Description:						

25	1 of 1	WSW	0.12 / 653.62	657.86 / -12	PRECISION DRILLING & TAPPING 1234 E EDNA PL COVINA CA 91724	RCRA NON GEN

EPA Handler ID: CAL000440418
Gen Status Universe: No Report
Contact Name: FREDERICK BAUMANN
Contact Address: 1234 E EDNA PL , , COVINA , CA, 91724 ,
Contact Phone No and Ext: 626-963-0331
Contact Email: PRECISIONDRILL@GMAIL.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20181029
Location Latitude: 34.094556
Location Longitude: -117.86542

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20181029
Handler Name: PRECISION DRILLING & TAPPING
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: FREDERICK BAUMANN
Date Became Current:
Date Ended Current:
Phone: 626-963-0331
Source Type: Implementer
Street No:
Street 1: 1234 E EDNA PL
Street 2:
City: COVINA
State: CA
Country:
Zip Code: 91724

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1234 E EDNA PL
Name:	FREDERICK BAUMANN	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	626-264-2680	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724

26	1 of 1	WSW	0.13 / 661.30	657.28 / -13	1228 E EDNA PL COVINA CA 91724	LA HMS

Site No:	021348
Area:	6B

Detail Info

Permit No:		**Permit Status Code:**	
Permit Cat Desc:		**Permit Category:**	
Status Code:	OPEN	**File No:**	030190
Status Desc:	File Opened, no permit exists	**File Name:**	SWAGECO
Permit Status Desc:			
Permit Type:			
Permit Type Desc:			

27	1 of 1	WSW	0.13 / 670.19	657.28 / -13	1230 E EDNA PL COVINA CA 91724	LA HMS

Site No:	021349
Area:	6B

Detail Info

Permit No:		**Permit Status Code:**	
Permit Cat Desc:		**Permit Category:**	
Status Code:	OPEN	**File No:**	030191
Status Desc:	File Opened, no permit exists	**File Name:**	B&R ENGINEERING
Permit Status Desc:			
Permit Type:			
Permit Type Desc:			

28	1 of 1	W	0.13 / 706.84	660.42 / -9	CLARKE TOWNE PHOTO ENGRAVERS 1216 E CYPRESS ST COVINA CA 91724	LA COUNTY CUPA

Facility ID:	FA0008533
CERS ID:	0

Inactive Facility Details

PE:	1006

29	1 of 2	W	0.14 / 728.79	659.66 / -10	1212 E CYPRESS ST COVINA CA 91724	LA HMS

Site No:	021300
Area:	6B

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Detail Info

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 030140
File Name: H&A TRANSMISSION

29	2 of 2	W	0.14 / 728.79	659.66 / -10	KEVER ENTERPRISES INC 1212 E CYPRESS ST COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0008551
CERS ID: 0

Inactive Facility Details

PE: 3001

30	1 of 1	W	0.14 / 750.75	659.40 / -10	C A T SPECIALITIS INC 1208 E CYPRESS ST COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0008552
CERS ID: 0

Inactive Facility Details

PE: 3001

PE: 1001

31	1 of 1	WSW	0.14 / 759.71	655.05 / -15	1214 E EDNA PL COVINA CA 91724	LA HMS

Site No: 021347
Area: 6B

Detail Info

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 030189
File Name: OMEGA MOLDING

32	1 of 2	WSW	0.15 / 792.01	653.98 / -16	1202 E EDNA PL COVINA CA 91724	LA HMS

Site No: 021346
Area: 6B

Detail Info

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 030188
File Name: G&D INDUSTRIES INC

32	2 of 2	WSW	0.15 / 792.01	653.98 / -16	G&D INDUSTRIES 1202 E EDNA PL COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0009586
CERS ID: 0

Inactive Facility Details

PE: 1002

PE: 3001

33	1 of 2	WSW	0.18 / 939.75	651.49 / -18	T & T METALS INC 1184 E EDNA PL COVINA CA 91724	RCRA NON GEN

EPA Handler ID: CAL000395604
Gen Status Universe: No Report
Contact Name: TONY TARPLEY
Contact Address: 1184 E EDNA PL , , COVINA , CA, 91724 ,
Contact Phone No and Ext: 626-966-7979
Contact Email: TONY@TTMTLSINC.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20140407
Location Latitude: 34.094297
Location Longitude: -117.866241

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sequence No: 1
Receive Date: 20140407
Handler Name: T & T METALS INC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: T & T METALS INC
Date Became Current:
Date Ended Current:
Phone: 626-966-7979
Source Type: Implementer

Street No:
Street 1: 1184 E EDNA PL
Street 2:
City: COVINA
State: CA
Country:
Zip Code: 91724-0000

Owner/Operator Ind: Current Operator
Type: Other
Name: TONY TARPLEY
Date Became Current:
Date Ended Current:
Phone: 626-966-7979
Source Type: Implementer

Street No:
Street 1: 1184 E EDNA PL
Street 2:
City: COVINA
State: CA
Country:
Zip Code: 91724

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
33	2 of 2	WSW	0.18 / 939.75	651.49 / -18	CARS CLEAN CO 1184 E EDNA PL COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0009608
CERS ID: 0

Inactive Facility Details

PE: 3001

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
34	1 of 1	NW	0.18 / 953.10	664.89 / -5	DORA RUIZ-MONTES DE OCA 977 N CALMGROVE AVE COVINA CA 91724	RCRA NON GEN

EPA Handler ID: CAC002979200
Gen Status Universe: No Report
Contact Name: DORA RUIZ-MONTES DE OCA
Contact Address: 977 N CALMGROVE AVE , , COVINA , CA, 91724 ,
Contact Phone No and Ext: 626-492-3326
Contact Email: KRISTINE.RAMOS@PEAS1.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20180906
Location Latitude: 34.097507
Location Longitude: -117.865495

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20180906
Handler Name:	DORA RUIZ-MONTES DE OCA
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	977 N CALMGROVE AVE
Name:	DORA RUIZ-MONTES DE OCA	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	626-492-3326	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	977 N CALMGROVE AVE
Name:	DORA RUIZ-MONTES DE OCA	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	626-492-3326	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
35	1 of 5	WSW	0.19 / 989.70	650.66 / -19	OPTICAL COMPONENTS INC 1175 E EDNA PLACE COVINA CA 91724	RCRA NON GEN

EPA Handler ID:	CAD981373327
Gen Status Universe:	No Report
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	1175 E EDNA PLACE , , COVINA , CA, 91724 , US
Contact Phone No and Ext:	818-967-5281
Contact Email:	
Contact Country:	US
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	
Receive Date:	19860128
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19860128
Handler Name:	OPTICAL COMPONENTS INC
Source Type:	Notification
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	NOT REQUIRED	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	LYNN MONTGOMERY	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
35	2 of 5	WSW	0.19 / 989.70	650.66 / -19	OPTICAL COMPONENTS, INC. 1175 E. EDNA PLACE COVINA CA 91724	RCRA SQG

EPA Handler ID:	CAD981999790
Gen Status Universe:	Small Quantity Generator
Contact Name:	CHUCK HOLT
Contact Address:	US
Contact Phone No and Ext:	626-967-5281 229
Contact Email:	CHOLT@OCIOPTICS.COM
Contact Country:	US
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	Private
Receive Date:	20040304
Location Latitude:	34.094413
Location Longitude:	-117.866192

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20040304
Handler Name:	OPTICAL COMPONENTS, INC.
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D039
Waste Code Description:	TETRACHLOROETHYLENE
Hazardous Waste Code:	F001
Waste Code Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	1106 E. EDNA PLACE
Name:	MARTIN ARCE PROPERTIES	***Street 2:***	
Date Became Current:	20000701	***City:***	COVINA
Date Ended Current:		***State:***	CA
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	91724
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	OPTICAL COMPONENTS, INC.	***Street 2:***	
Date Became Current:	19850801	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	US

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Source Type:	Annual/Biennial Report update with Notification		**Zip Code:**			
35	3 of 5	WSW	0.19 / 989.70	650.66 / -19	1175 E EDNA PL COVINA CA 91724	LA HMS

Site No: 021345
Area: 6B

Detail Info

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 030187
File Name: OPTICAL COMPONENTS INC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
35	4 of 5	WSW	0.19 / 989.70	650.66 / -19	OPTICAL COMPONENTS 1175 E EDNA PL COVINA CA 91724	EMISSIONS

1987 Criteria Data

Facility ID: 48601
Facility SIC Code: 3471
CO: 19
Air Basin: SC
District: SC
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: 0
ROGT: 0
COT:
NOXT:
SOXT:
PMT:
PM10T:

1987 Toxic Data

Facility ID: 48601
Facility SIC Code: 3471
CO: 19
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

1990 Criteria Data

Facility ID: 48601
Facility SIC Code: 3471
CO: 19
Air Basin: SC
District: SC
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: 1.7
ROGT: 0
COT:
NOXT:
SOXT:
PMT:
PM10T:

1990 Toxic Data

Facility ID: 48601
COID: LA

Facility SIC Code:	3471	***DISN:***	SOUTH COAST AQMD
CO:	19	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1993 Criteria Data

Facility ID:	48601	***CERR Code:***	
Facility SIC Code:	3471	***TOGT:***	7.4
CO:	19	***ROGT:***	3.1
Air Basin:	SC	***COT:***	0
District:	SC	***NOXT:***	0
COID:	LA	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1993 Toxic Data

Facility ID:	48601	***COID:***	LA
Facility SIC Code:	3471	***DISN:***	SOUTH COAST AQMD
CO:	19	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1995 Criteria Data

Facility ID:	48601	***CERR Code:***	
Facility SIC Code:	3471	***TOGT:***	7.4
CO:	19	***ROGT:***	3.1
Air Basin:	SC	***COT:***	0
District:	SC	***NOXT:***	0
COID:	LA	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1995 Toxic Data

Facility ID:	48601	***COID:***	LA
Facility SIC Code:	3471	***DISN:***	SOUTH COAST AQMD
CO:	19	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1996 Criteria Data

Facility ID:	48601	***CERR Code:***	
Facility SIC Code:	3471	***TOGT:***	7.3
CO:	19	***ROGT:***	1.4
Air Basin:	SC	***COT:***	0
District:	SC	***NOXT:***	0
COID:	LA	***SOXT:***	.000015

DISN:	SOUTH COAST AQMD	**PMT:**	.00015
CHAPIS:		**PM10T:**	.00015

1996 Toxic Data

Facility ID:	48601	**COID:**	LA
Facility SIC Code:	3471	**DISN:**	SOUTH COAST AQMD
CO:	19	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1997 Criteria Data

Facility ID:	48601	**CERR Code:**	
Facility SIC Code:	3471	**TOGT:**	6.9033315
CO:	19	**ROGT:**	2.33553559245
Air Basin:	SC	**COT:**	.001
District:	SC	**NOXT:**	.003
COID:	LA	**SOXT:**	.000015
DISN:	SOUTH COAST AQMD	**PMT:**	.00015
CHAPIS:		**PM10T:**	.00015

1997 Toxic Data

Facility ID:	48601	**COID:**	LA
Facility SIC Code:	3471	**DISN:**	SOUTH COAST AQMD
CO:	19	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Criteria Data

Facility ID:	48601	**CERR Code:**	
Facility SIC Code:	3471	**TOGT:**	6.9033531
CO:	19	**ROGT:**	2.33554471413
Air Basin:	SC	**COT:**	.001
District:	SC	**NOXT:**	.003
COID:	LA	**SOXT:**	.000015
DISN:	SOUTH COAST AQMD	**PMT:**	.00015
CHAPIS:		**PM10T:**	.00015

1998 Toxic Data

Facility ID:	48601	**COID:**	LA
Facility SIC Code:	3471	**DISN:**	SOUTH COAST AQMD
CO:	19	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Criteria Data

Facility ID:	48601	**CERR Code:**	
Facility SIC Code:	3471	**TOGT:**	6.9033315
CO:	19	**ROGT:**	2.33553559245
Air Basin:	SC	**COT:**	.001
District:	SC	**NOXT:**	.003
COID:	LA	**SOXT:**	.000015
DISN:	SOUTH COAST AQMD	**PMT:**	.00015
CHAPIS:		**PM10T:**	.00015

1999 Toxic Data

Facility ID:	48601	**COID:**	LA
Facility SIC Code:	3471	**DISN:**	SOUTH COAST AQMD
CO:	19	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	48601	**CERR Code:**	
Facility SIC Code:	3471	**TOGT:**	6.9033315
CO:	19	**ROGT:**	2.34
Air Basin:	SC	**COT:**	.001
District:	SC	**NOXT:**	.003
COID:	LA	**SOXT:**	.000015
DISN:	SOUTH COAST AQMD	**PMT:**	.00015
CHAPIS:		**PM10T:**	0

2000 Toxic Data

Facility ID:	48601	**COID:**	LA
Facility SIC Code:	3471	**DISN:**	SOUTH COAST AQMD
CO:	19	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Criteria Data

Facility ID:	48601	**CERR Code:**	
Facility SIC Code:	3471	**TOGT:**	6.9
CO:	19	**ROGT:**	5.5
Air Basin:	SC	**COT:**	0
District:	SC	**NOXT:**	0
COID:	LA	**SOXT:**	0
DISN:	SOUTH COAST AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2001 Toxic Data

Facility ID:	48601	**COID:**	LA
Facility SIC Code:	3471	**DISN:**	SOUTH COAST AQMD
CO:	19	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2002 Criteria Data

Facility ID:	48601	***CERR Code:***	
Facility SIC Code:	3471	***TOGT:***	4.22676
CO:	19	***ROGT:***	1.933743072
Air Basin:	SC	***COT:***	.0113
District:	SC	***NOXT:***	.0135
COID:	LA	***SOXT:***	.000081
DISN:	SOUTH COAST AQMD	***PMT:***	.00103
CHAPIS:		***PM10T:***	.00103

2002 Toxic Data

Facility ID:	48601	***COID:***	LA
Facility SIC Code:	3471	***DISN:***	SOUTH COAST AQMD
CO:	19	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2003 Criteria Data

Facility ID:	48601	***CERR Code:***	
Facility SIC Code:	3471	***TOGT:***	4.22676
CO:	19	***ROGT:***	1.94
Air Basin:	SC	***COT:***	.0113
District:	SC	***NOXT:***	.0135
COID:	LA	***SOXT:***	.000081
DISN:	SOUTH COAST AQMD	***PMT:***	.00103
CHAPIS:		***PM10T:***	0

2003 Toxic Data

Facility ID:	48601	***COID:***	LA
Facility SIC Code:	3471	***DISN:***	SOUTH COAST AQMD
CO:	19	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

35	***5 of 5***	***WSW***	***0.19 / 989.70***	***650.66 / -19***	***CVI OPTICAL COMPONENTS 1175 E EDNA PL COVINA CA 91724***	***LA COUNTY CUPA***

Facility ID: FA0009585
CERS ID: 0

Inactive Facility Details

PE: 1003

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
PE:		3002				
36	1 of 2	WSW	0.19 / 1,021.89	649.67 / -20	1172 E EDNA PL COVINA CA 91724	LA HMS

Site No: 021344
Area: 6B

Detail Info

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 030186
File Name: HELIX ENGINEERING INC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
36	2 of 2	WSW	0.19 / 1,021.89	649.67 / -20	HELIX ENGINEERING INC 1172 E EDNA PL COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0009584
CERS ID: 0

Inactive Facility Details

PE: 3001

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
37	1 of 1	WSW	0.21 / 1,110.71	648.39 / -21	1162 E EDNA PL COVINA CA 91724	LA HMS

Site No: 021343
Area: 6B

Detail Info

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 030185
File Name: WESTSIDE ACCESS INC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	1 of 3	W	0.21 / 1,126.58	653.69 / -16	1130 E CYPRESS ST COVINA CA 91724	LA HMS

Site No: 021299
Area: 6B

Detail Info

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Status Code:
Permit Category:
File No: 030139
File Name: DUNCAN CO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Permit Type:						
Permit Type Desc:						
38	2 of 3	W	0.21 / 1,126.58	653.69 / -16	EG&G ALMOND INSTRUMENTS 1130 E CYPRESS ST COVINA CA 91724	EMISSIONS

1987 Criteria Data

Facility ID:	54896	**CERR Code:**	
Facility SIC Code:	9999	**TOGT:**	1.8
CO:	19	**ROGT:**	0
Air Basin:	SC	**COT:**	
District:	SC	**NOXT:**	
COID:	LA	**SOXT:**	
DISN:	SOUTH COAST AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1987 Toxic Data

Facility ID:	54896	**COID:**	LA
Facility SIC Code:	9999	**DISN:**	SOUTH COAST AQMD
CO:	19	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1990 Criteria Data

Facility ID:	54896	**CERR Code:**	
Facility SIC Code:	3812	**TOGT:**	1.8
CO:	19	**ROGT:**	0
Air Basin:	SC	**COT:**	
District:	SC	**NOXT:**	
COID:	LA	**SOXT:**	
DISN:	SOUTH COAST AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1990 Toxic Data

Facility ID:	54896	**COID:**	LA
Facility SIC Code:	3812	**DISN:**	SOUTH COAST AQMD
CO:	19	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

38	3 of 3	W	0.21 / 1,126.58	653.69 / -16	KEN DUNCAN COMPANY 1130 E CYPRESS ST COVINA CA 91724	LA COUNTY CUPA

Facility ID:	FA0008539
CERS ID:	10797742

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Inactive Facility Details

PE: 3001

PE: 1001

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39 | ***1 of 1*** | ***WSW*** | ***0.22 / 1,174.78*** | ***644.83 / -25*** | ***STABILE PLATING CO., INC.***
1150 E. EDNA PLACE
COVINA CA 91724 | ***ENVIROSTOR***

Estor/EPA ID: 71002539
Site Code:
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6037403721
Site Type: TIERED PERMIT
Address Description: 1150 E. EDNA PLACE
Office: CLEANUP CHATSWORTH
Special Program:
Funding:
Cleanup Status: REFER: OTHER AGENCY AS OF
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Assembly District: 48
Senate District: 22
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: LOS ANGELES
Latitude: 34.0936639
Longitude: -117.866927
Acres: NONE SPECIFIED
Supervisor:

Status: REFER: OTHER AGENCY
A2 Program Type: TIERED PERMIT
CalEnviroScreen Score: 46-50%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002539

Completed Activities

Title: Compliance
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 12/30/1999
Comments:

---

40 | ***1 of 2*** | ***E*** | ***0.22 / 1,182.30*** | ***689.55 / 20*** | ***LOS ANGELES COUNTY FIRE DEPARTMENT***
1577 E CYPRESS ST-STATION 153
COVINA CA 91724-2120 | ***RCRA NON GEN***

EPA Handler ID: CAL000208941
Gen Status Universe: No Report
Contact Name: TONY JIMENEZ
Contact Address: 2300 E 27TH ST , , SIGNAL HILL , CA, 90755-0000 ,
Contact Phone No and Ext: 562-988-3625
Contact Email: TONY.JIMENEZ@FIRE.LACOUNTY.GOV
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 19990827
Location Latitude: 34.095864

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Location Longitude: -117.857308

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19990827
Handler Name: LOS ANGELES COUNTY FIRE DEPARTMENT
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: TONY JIMENEZ
Date Became Current:
Date Ended Current:
Phone: 562-988-3625
Source Type: Implementer
Street No:
Street 1: 2300 E 27TH ST
Street 2:
City: SIGNAL HILL
State: CA
Country:
Zip Code: 90755-0000

Owner/Operator Ind: Current Owner
Type: Other
Name: LA COUNTY FIRE DEPARTMENT
Date Became Current:
Date Ended Current:
Phone: 818-209-1694
Source Type: Implementer
Street No:
Street 1: 1320 N EASTERN AVE
Street 2:
City: LOS ANGELES
State: CA
Country:
Zip Code: 90063

40	2 of 2	E	0.22 / 1,182.30	689.55 / 20	LA CO FD STATION #153 1577 E CYPRESS ST COVINA CA 91723	LA COUNTY CUPA

Facility ID: FA0046936
CERS ID: 10504549

Active Facility Details

PE: 3000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
PE:		1001				
41	1 of 5	WSW	0.23 / 1,196.86	646.92 / -23	STABLE PLATING CO INC 1150 E EDNA PL COVINA CA 91724	RCRA SQG

EPA Handler ID: CAD067729731
Gen Status Universe: Small Quantity Generator
Contact Name:
Contact Address: US
Contact Phone No and Ext:
Contact Email:
Contact Country: US
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 19960901
Location Latitude: 34.094031
Location Longitude: -117.867001

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jan, 2021.

Violation Details

Citation: FR - 262.10-12.A
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19940512
Scheduled Compliance Date:
Return to Compliance: N
Actual Return to Compl: 19990512
Violation Responsible Agency: State

Evaluation Details

Evaluation Start Date: 20180228
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19940512
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - General
Return to Compliance Date: 19990512
Evaluation Agency: State Contractor/Grantee

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No

Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19800818
Handler Name: STABLE PLATING CO INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19941111
Handler Name: STABILIZE PLATING CO INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: STABLE PLATING CO INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19960901
Handler Name: STABLE PLATING CO INC
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: NOT REQUIRED
Date Became Current:
Date Ended Current:
Phone: 415-555-1212
Source Type: Implementer
Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:
Zip Code: 99999

Owner/Operator Ind: Current Owner
Type: Private
Name: STABILE MARY
Date Became Current:
Date Ended Current:
Phone: 415-555-1212
Source Type: Notification
Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:
Zip Code: 99999

Historical Handler Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Receive Dt: 19960901
Generator Code Description: Large Quantity Generator
Handler Name: STABLE PLATING CO INC

Receive Dt: 19941111
Generator Code Description: Large Quantity Generator
Handler Name: STABILIZE PLATING CO INC

Receive Dt: 19800818
Generator Code Description: Large Quantity Generator
Handler Name: STABLE PLATING CO INC

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41 **2 of 5** **WSW** **0.23 / 1,196.86** **646.92 / -23** **1150 E EDNA PL COVINA CA 91724** **LA HMS**

Site No: 021342
Area: 6B

Detail Info

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 030184
File Name: STABILE PLATING CO

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41 **3 of 5** **WSW** **0.23 / 1,196.86** **646.92 / -23** **STABILE PLATING CO INC 1150 E EDNA PL COVINA CA 91724** **EMISSIONS**

1990 Criteria Data

Facility ID: 5743
Facility SIC Code: 3471
CO: 19
Air Basin: SC
District: SC
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT: .5
ROGT: .5
COT:
NOXT:
SOXT:
PMT: 1.6
PM10T: .7264

1990 Toxic Data

Facility ID: 5743
Facility SIC Code: 3471
CO: 19
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

2015 Toxic Data

Facility ID: 5743
Facility SIC Code: 3471
CO: 19
Air Basin: SC
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2016 Toxic Data

Facility ID: 5743
Facility SIC Code: 3471
CERR CODE:
COID: LA
CO: 19
DISN: SOUTH COAST AQMD
CHAPIS:
TS:
HRA:
CH Index:
AH Index:
Air Basin: SC
District: SC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
41	4 of 5	WSW	0.23 / 1,196.86	646.92 / -23	STABILE PLATING CO INC 1150 E EDNA PL COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0009583
CERS ID: 10283665

Active Facility Details

PE: 1102

PE: 3003

PE: 2020

Inactive Facility Details

PE: 3501

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
41	5 of 5	WSW	0.23 / 1,196.86	646.92 / -23	Stabile Plating Co Inc 1150 E Edna Pl Covina CA 91724	PFAS

Global ID: T10000013534
Status:
Status Date:
Longitude: -117.86691
Facility ID:
Data Source: 2019 Statewide PFAS Investigation - Chrome Plating Facilities
Site Facility Type:
County: Los Angeles
Latitude: 34.093829

2020 Statewide PFAS Investigation - Chrome Plating Facilities

Regional Board: Los Angeles
Facility Name: Stabile Plating Co Inc
Address: 1150 E Edna Pl
City: Covina
Zip: 91724
County: Los Angeles
Contact Information: https://www.waterboards.ca.gov/pfas/regional_board_contacts.html
Geotracker Site: https://geotracker.waterboards.ca.gov/regulators/screens/menu?global_id=T10000013534

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:
Local Case No:
CUF Case: NO
Caseworker: SLH

Begin Date: 9/23/2019 **File Location:**
Stop Method:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Local Agency:
Potential COC:
Potential Media of Concern:
How Discovered:
How Discovered Description:
Stop Description:
Calwater Watershed Name:
DWR GW Subbasin Name:
Disadvantaged Community:
Site History:

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: ENFORCEMENT
Date: 10/25/2019
Action: PFAS Order - #WQ 2019-0045-DWQ

Action Type: RESPONSE
Date: 12/4/2020
Action: Questionnaire Response

Action Type: RESPONSE
Date: 3/31/2020
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date: 11/4/2020
Action: Staff Letter

Action Type: RESPONSE
Date: 1/16/2020
Action: Questionnaire Response

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Open - Case Begin Date
Status Date: 9/23/2019

Status: Pending Review
Status Date: 9/23/2019

Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker **Address:** 320 W. 4th Street, Ste. 200
Contact Name: STEFANIE HADA **City:** LOS ANGELES
Phone No: 2135766659
Organization Name: LOS ANGELES RWQCB (REGION 4)
Email: stefanie.hada@waterboards.ca.gov

42	1 of 1	S	0.23 / 1,227.01	661.64 / -8	DILIP MIRANI 1334 E RETFORD ST COVINA CA 91724-2724	RCRA NON GEN

EPA Handler ID: CAC003045797
Gen Status Universe: No Report
Contact Name: DILIP MIRANI
Contact Address: 1334 E RETFORD ST , , COVINA , CA, 91724-2724 ,
Contact Phone No and Ext: 626-252-1365
Contact Email: MANIFEST.SIRRIS@GMAIL.COM
Contact Country:
County Name: LOS ANGELES

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EPA Region: 09
Land Type:
Receive Date: 20191204
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20191204
Handler Name: DILIP MIRANI
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: DILIP MIRANI
Date Became Current:
Date Ended Current:
Phone: 626-252-1365
Source Type: Implementer
Street No:
Street 1: 1334 E RETFORD ST
Street 2:
City: COVINA
State: CA
Country:
Zip Code: 91724-2724

Owner/Operator Ind: Current Owner
Type: Other
Name: DILIP MIRANI
Date Became Current:
Date Ended Current:
Phone: 626-252-1365
Source Type: Implementer
Street No:
Street 1: 1334 E RETFORD ST
Street 2:
City: COVINA
State: CA
Country:
Zip Code: 91724-2724

43	1 of 1	WNW	0.23 / 1,228.17	661.52 / -8	VICTOR NAVA 984 N. DAMATO DR. COVINA CA 91724	RCRA NON GEN

EPA Handler ID: CAC003002027
Gen Status Universe: No Report
Contact Name: VICTOR NAVA

Contact Address:	984 N. DAMATO DR. , , COVINA , CA, 91724 ,
Contact Phone No and Ext:	562-260-7600
Contact Email:	ALEX@72DEGREESHVAC.COM
Contact Country:	
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	
Receive Date:	20190220
Location Latitude:	34.097683
Location Longitude:	-117.866503

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190220
Handler Name:	VICTOR NAVA
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	984 N. DAMATO DR.
Name:	VICTOR NAVA	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	562-260-7600	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	984 N. DAMATO DR.
Name:	VICTOR NAVA	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	562-260-7600	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724

44	1 of 1	W	0.24 / 1,271.02	648.39 / -21	834 N CUMMINGS RD	LA HMS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					COVINA CA 91724	

Site No: 021292
Area: 6B

Detail Info

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 030132
File Name: ADVANTAGE CONSTRUCTION

45	1 of 1	W	0.24 / 1,271.05	648.39 / -21	836 N CUMMINGS RD COVINA CA 91724	LA HMS

Site No: 021293
Area: 6B

Detail Info

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 030133
File Name: BONSE WALTER

46	1 of 1	W	0.24 / 1,271.32	648.06 / -22	830 N CUMMINGS RD COVINA CA 91724	LA HMS

Site No: 021291
Area: 6B

Detail Info

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 030131
File Name: PROTO MACHINING & MFG

47	1 of 1	W	0.24 / 1,271.80	649.48 / -20	852 N CUMMINGS RD COVINA CA 91724	LA HMS

Site No: 021294
Area: 6B

Detail Info

Permit No:
Permit Cat Desc:
Status Code: OPEN
Permit Status Code:
Permit Category:
File No: 030134

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status Desc: File Opened, no permit exists
File Name: L&S METAL SPINNING
Permit Status Desc:
Permit Type:
Permit Type Desc:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
48	1 of 3	W	0.24 / 1,272.89	648.49 / -21	828 N CUMMINGS RD COVINA CA 91724	LA HMS

Site No: 021290
Area: 6B

Detail Info

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 030130
File Name: DATA LABEL PRODUCTS INC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
48	2 of 3	W	0.24 / 1,272.89	648.49 / -21	DATA LABEL PRODUCTS INC 828 N CUMMINGS RD COVINA CA 91724-2505	RCRA NON GEN

EPA Handler ID: CAL000093402
Gen Status Universe: No Report
Contact Name: DAVID G. JENSEN
Contact Address: 840 N CUMMINGS RD , , COVINA , CA, 91724 ,
Contact Phone No and Ext: 626-915-6478
Contact Email: DJ@DATALABELPRODUCTS.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 19941102
Location Latitude: 34.094679
Location Longitude: -117.867419

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19941102
Handler Name: DATA LABEL PRODUCTS INC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: DATA LABEL PRODUCTS INC
Date Became Current:
Date Ended Current:
Phone: 626-915-6478
Source Type: Implementer
Street No:
Street 1: 840 N CUMMINGS RD
Street 2:
City: COVINA
State: CA
Country:
Zip Code: 91724-2505

Owner/Operator Ind: Current Operator
Type: Other
Name: DAVID G. JENSEN
Date Became Current:
Date Ended Current:
Phone: 626-915-6478
Source Type: Implementer
Street No:
Street 1: 840 N CUMMINGS RD
Street 2:
City: COVINA
State: CA
Country:
Zip Code: 91724

48	3 of 3	W	0.24 / 1,272.89	648.49 / -21	DATA LABEL PRODUCTS INC 828 N CUMMINGS RD COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0008508
CERS ID: 0

Inactive Facility Details

PE: 3001

49	1 of 3	W	0.24 / 1,275.23	646.97 / -23	818 N CUMMINGS RD COVINA CA 91724	LA HMS

Site No: 021288
Area: 6B

Detail Info

Permit No:
Permit Cat Desc:
Status Code: OPEN
Status Desc: File Opened, no permit exists
Permit Status Desc:
Permit Type:
Permit Type Desc:
Permit Status Code:
Permit Category:
File No: 030128
File Name: C&F PRINTING

49	2 of 3	W	0.24 / 1,275.23	646.97 / -23	818 N CUMMINGS RD COVINA CA 91724	LA HMS

Site No: 021289
Area: 6B

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Detail Info

Permit No:		***Permit Status Code:***	
Permit Cat Desc:		***Permit Category:***	
Status Code:	OPEN	***File No:***	030129
Status Desc:	File Opened, no permit exists	***File Name:***	FYZ WELDING SERVICE
Permit Status Desc:			
Permit Type:			
Permit Type Desc:			

49	*3 of 3*	*W*	*0.24 / 1,275.23*	*646.97 / -23*	*CERTIFIED FASTENERS INC* *818 N CUMMINGS RD* *COVINA CA 91724*	*LA COUNTY CUPA*

Facility ID:	FA0008510
CERS ID:	0

Inactive Facility Details

PE:	3001

50	*1 of 1*	*WSW*	*0.24 / 1,280.60*	*646.24 / -24*	*1138 E EDNA PL* *COVINA CA 91724*	*LA HMS*

Site No:	021341
Area:	6B

Detail Info

Permit No:		***Permit Status Code:***	
Permit Cat Desc:		***Permit Category:***	
Status Code:	OPEN	***File No:***	030183
Status Desc:	File Opened, no permit exists	***File Name:***	INNERSPACE CORP
Permit Status Desc:			
Permit Type:			
Permit Type Desc:			

51	*1 of 2*	*NW*	*0.24 / 1,290.02*	*667.51 / -2*	*MAROCS SOLIS* *1049 N CALMGROVE AVE* *COVINA CA 91724*	*RCRA TSD*

EPA Handler ID:	CAC003019517
Gen Status Universe:	No Report
Contact Name:	MAROCS SOLIS
Contact Address:	1049 N CALMGROVE AVE , , COVINA , CA, 91724 ,
Contact Phone No and Ext:	626-264-2041
Contact Email:	KC@AQHIINC.COM
Contact Country:	
Land Type:	
County Name:	LOS ANGELES
EPA Region:	09
Receive Date:	20190613
Location Latitude:	34.098685
Location Longitude:	-117.865524

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190613
Handler Name:	MAROCS SOLIS
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1049 N CALMGROVE AVE
Name:	MAROCS SOLIS	***Street 2:***	
Date Became Current:		***City:***	COVINA
Date Ended Current:		***State:***	CA
Phone:	626-264-2041	***Country:***	
Source Type:	Implementer	***Zip Code:***	91724

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1049 N CALMGROVE AVE
Name:	MAROCS SOLIS	***Street 2:***	
Date Became Current:		***City:***	COVINA
Date Ended Current:		***State:***	CA
Phone:	626-264-2041	***Country:***	
Source Type:	Implementer	***Zip Code:***	91724

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
51	*2 of 2*	*NW*	*0.24 / 1,290.02*	*667.51 / -2*	***MAROCS SOLIS*** ***1049 N CALMGROVE AVE*** ***COVINA CA 91724***	***RCRA NON GEN***

EPA Handler ID:	CAC003019517
Gen Status Universe:	No Report
Contact Name:	MAROCS SOLIS
Contact Address:	1049 N CALMGROVE AVE , , COVINA , CA, 91724 ,
Contact Phone No and Ext:	626-264-2041
Contact Email:	KC@AQHIINC.COM
Contact Country:	
County Name:	LOS ANGELES
EPA Region:	09
Land Type:	
Receive Date:	20190613
Location Latitude:	34.098685
Location Longitude:	-117.865524

Violation/Evaluation Summary

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190613
Handler Name:	MAROCS SOLIS
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1049 N CALMGROVE AVE
Name:	MAROCS SOLIS	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	626-264-2041	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1049 N CALMGROVE AVE
Name:	MAROCS SOLIS	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	626-264-2041	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
52	1 of 1	W	0.24 / 1,291.57	648.06 / -22	CACO PACIFIC CORPORATION 813 N. CUMMINGS ROAD COVINA CA 91724	EMISSIONS

1996 Toxic Data

Facility ID:	47859	**COID:**	LA
Facility SIC Code:	3544	**DISN:**	SOUTH COAST AQMD
CO:	19	**CHAPIS:**	
Air Basin:	SC	**CERR Code:**	
District:	SC		
TS:			
Health Risk Asmt:			

Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

1997 Toxic Data

Facility ID: 47859
Facility SIC Code: 3544
CO: 19
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

1998 Toxic Data

Facility ID: 47859
Facility SIC Code: 3544
CO: 19
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

1999 Toxic Data

Facility ID: 47859
Facility SIC Code: 3544
CO: 19
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

2000 Criteria Data

Facility ID: 47859
Facility SIC Code: 3544
CO: 19
Air Basin: SC
District: SC
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:
TOGT:
ROGT:
COT:
NOXT:
SOXT:
PMT:
PM10T:

2000 Toxic Data

Facility ID: 47859
Facility SIC Code: 3544
CO: 19
Air Basin: SC
District: SC
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: LA
DISN: SOUTH COAST AQMD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2001 Criteria Data

Facility ID:	47859	***CERR Code:***	
Facility SIC Code:	3544	***TOGT:***	
CO:	19	***ROGT:***	
Air Basin:	SC	***COT:***	
District:	SC	***NOXT:***	
COID:	LA	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2001 Toxic Data

Facility ID:	47859	***COID:***	LA
Facility SIC Code:	3544	***DISN:***	SOUTH COAST AQMD
CO:	19	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
53	1 of 3	W	0.24 / 1,292.94	648.39 / -21	813 N CUMMINGS RD COVINA CA 91724	LA HMS

Site No:	014458
Area:	6B

Detail Info

Permit No:		***Permit Status Code:***	
Permit Cat Desc:		***Permit Category:***	
Status Code:	OPEN	***File No:***	015049
Status Desc:	File Opened, no permit exists	***File Name:***	CACO PACIFIC CORP
Permit Status Desc:			
Permit Type:			
Permit Type Desc:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
53	2 of 3	W	0.24 / 1,292.94	648.39 / -21	CACO-PACIFIC CORP. 813 N CUMMINGS RD COVINA CA	EMISSIONS

1987 Criteria Data

Facility ID:	47859	***CERR Code:***	
Facility SIC Code:	3444	***TOGT:***	
CO:	19	***ROGT:***	
Air Basin:	SC	***COT:***	
District:	SC	***NOXT:***	
COID:	LA	***SOXT:***	
DISN:	SOUTH COAST AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1987 Toxic Data

Facility ID:	47859	***COID:***	LA
Facility SIC Code:	3444	***DISN:***	SOUTH COAST AQMD
CO:	19	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
District:	SC					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						
53	3 of 3	W	0.24 / 1,292.94	648.39 / -21	CACO-PACIFIC CORP 813 N CUMMINGS RD COVINA CA 91724	LA COUNTY CUPA

Facility ID: FA0008509
CERS ID: 10295023

Active Facility Details

PE: 2003

PE: 1004

PE: 3002

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
54	1 of 1	E	0.25 / 1,300.66	690.22 / 20	GILBERT ALVAREZ 850 N. KIDDER AVE. COVINA CA 91724	RCRA NON GEN

EPA Handler ID: CAC003083507
Gen Status Universe: No Report
Contact Name: GILBERT ALVAREZ
Contact Address: 850 N. KIDDER AVE. , , COVINA , CA, 91724 ,
Contact Phone No and Ext: 626-367-3447
Contact Email: R1DEMOSOL@GMAIL.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20200911
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20200911
Handler Name: GILBERT ALVAREZ
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	850 N. KIDDER AVE.
Name:	GILBERT ALVAREZ	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	626-367-3447	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	850 N. KIDDER AVE.
Name:	GILBERT ALVAREZ	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	626-367-3447	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
55	1 of 1	NW	0.25 / 1,302.07	661.53 / -8	BRIAN LINVILLE 1012 N DAMATO DR COVINA CA 91724-2043	RCRA NON GEN

EPA Handler ID: CAC003027181
Gen Status Universe: No Report
Contact Name: BRIAN LINVILLE
Contact Address: 1012 N DAMATO DR , , COVINA , CA, 91724-2043 ,
Contact Phone No and Ext: 626-210-0391
Contact Email: CHUCK@ABSOLUTEABATEMENT.NET
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20190801
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190801
Handler Name: BRIAN LINVILLE
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: BRIAN LINVILLE
Date Became Current:
Date Ended Current:
Phone: 626-210-0391
Source Type: Implementer
Street No:
Street 1: 1012 N DAMATO DR
Street 2:
City: COVINA
State: CA
Country:
Zip Code: 91724-2043

Owner/Operator Ind: Current Operator
Type: Other
Name: BRIAN LINVILLE
Date Became Current:
Date Ended Current:
Phone: 626-210-0391
Source Type: Implementer
Street No:
Street 1: 1012 N DAMATO DR
Street 2:
City: COVINA
State: CA
Country:
Zip Code: 91724-2043

56	*1 of 1*	*W*	*0.26 / 1,349.88*	*650.44 / -19*	***CACO - PACIFIC CORP*** ***1106 CYPRESS*** ***COVINA CA 91722***	***DELISTED HAZ***

Siteid: 14791
Latitude: 34.095730
Longitude: -117.867870
Original Source: CHAZ
Record Date: 22-MAR-2018

57	*1 of 1*	*W*	*0.27 / 1,415.44*	*646.33 / -24*	***CACO PACIFIC CORPORATION*** ***813 N CUMMING*** ***COVINA CA 91722-0000***	***RCRA TSD***

EPA Handler ID: CAD041672205
Gen Status Universe: No Report
Contact Name: RANJAN CHAMPANERIA
Contact Address: 813 N CUMMINGS RD , , COVINA , CA, 91724 ,
Contact Phone No and Ext: 626-331-3361
Contact Email: RCHAMPANERIA@CACOPACIFIC.COM
Contact Country:
Land Type:
County Name: LOS ANGELES
EPA Region: 09
Receive Date: 19820723
Location Latitude: 34.094538
Location Longitude: -117.867477

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19820723
Handler Name:	CACO PACIFIC CORPORATION
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	813 N CUMMINGS RD
Name:	RANJAN CHAMPANERIA	***Street 2:***	
Date Became Current:		***City:***	COVINA
Date Ended Current:		***State:***	CA
Phone:	626-331-3361	***Country:***	
Source Type:	Implementer	***Zip Code:***	91724
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	813 N CUMMINGS RD
Name:	CACO PACIFIC CORPORATION	***Street 2:***	
Date Became Current:		***City:***	COVINA
Date Ended Current:		***State:***	CA
Phone:	626-331-3361	***Country:***	
Source Type:	Implementer	***Zip Code:***	91724-2506

58	*1 of 1*	*NW*	*0.31 / 1,653.59*	*665.97 / -4*	***CHARTER OAK HOSPITAL*** ***1161 COVINA BLVD E*** ***COVINA CA 91724***	***LUST***

Global ID:	T0603704910	***County:***	LOS ANGELES
Status:	COMPLETED - CASE CLOSED	***Latitude:***	34.0994511
Status Date:	6/17/1998	***Longitude:***	-117.8724443
Case Type:	LUST CLEANUP SITE		
Date Source:	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail

RB Case No:	R-10146	***Potential COC:***	Diesel
Local Case No:		***How Discovered:***	Tank Closure
Begin Date:	8/25/1997	***Stop Method:***	
Lead Agency:	LOS ANGELES RWQCB (REGION 4)	***Stop Description:***	
Local Agency:	LOS ANGELES COUNTY	***Case Worker:***	
CUF Case:	NO	***File Location:***	

Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: San Gabriel River - Upper San Gabriel (405.20)
DWR GW Subbasin Name: San Gabriel Valley (4-013)
Disadvantaged Community:
Site History:

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity

Action Type: Other
Date : 11/5/1997
Action: Leak Reported

Action Type: Other
Date : 10/20/1997
Action: Leak Discovery

Action Type: Other
Date : 8/25/1997
Action: Leak Stopped

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
City: ALHAMBRA
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
Email: jawujo@dpw.lacounty.gov
Phone No: 6264583507

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 6/17/1998

Status: Open - Site Assessment
Status Date: 3/17/1998

Status: Open - Case Begin Date
Status Date: 8/25/1997

Status: Open - Site Assessment
Status Date: 8/25/1997

LUST Sites from GeoTracker Search - Regulatory Profile

Site Facility Name: CHARTER OAK HOSPITAL
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
File Location:
Potential COC: DIESEL
Facility Type:
Composting Method:
Address: 1161 COVINA BLVD E
City: COVINA
Zip: 91724
County: LOS ANGELES
CUF Claim:
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0603704910
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 6/17/1998
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0603704910&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin: San Gabriel Valley (4-013)
Calwater Watershed Name: San Gabriel River - Upper San Gabriel (405.20)

Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: LOS ANGELES RWQCB (REGION 4) (LEAD) - CASE #: R-10146
LOS ANGELES COUNTY
CASEWORKER: JOHN AWUJO
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History

Status: Completed - Case Closed
Date : 6/17/1998

Status: Open - Site Assessment
Date : 3/17/1998

Status: Open - Case Begin Date
Date : 8/25/1997

Status: Open - Site Assessment
Date : 8/25/1997

LUST Sites from GeoTracker Search - Regulatory Activities (as of Feb 27, 2021)

Action Type: Leak Action
Action Date: 11/5/1997
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 10/20/1997
Received Issue Date:
Action: Leak Discovery
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action Date: 8/25/1997
Received Issue Date:
Action: Leak Stopped
Doc Link:
Title Description Comments:

59	1 of 1	WSW	0.31 / 1,658.91	639.62 / -30	KEN DUNCAN CORPORATION 1078 E. EDNA PLACE COVINA CA 91724	RCRA TSD

EPA Handler ID: CAC003012058
Gen Status Universe: No Report
Contact Name: KAMLA DUNCAN
Contact Address: 1078 E. EDNA PLACE , , COVINA , CA, 91724 ,
Contact Phone No and Ext: 626-622-9646
Contact Email: KENDUNCANCO@AOL.COM
Contact Country:
Land Type:
County Name: LOS ANGELES
EPA Region: 09

Receive Date:	20190425
Location Latitude:	34.093487
Location Longitude:	-117.868553

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190425
Handler Name:	KEN DUNCAN CORPORATION
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1078 E. EDNA PLACE
Name:	KAMLA DUNCAN	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	626-622-9646	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1078 E. EDNA PLACE
Name:	KAMLA DUNCAN	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	626-622-9646	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724

60	***1 of 1***	***WNW***	***0.42 / 2,225.37***	***647.40 / -22***	***MIKE RENNER 1011 N.BENDER AVE COVINA CA 91724***	***RCRA TSD***

EPA Handler ID:	CAC003008654
Gen Status Universe:	No Report
Contact Name:	MIKE RENNER
Contact Address:	1011 N.BENDER AVE , , COVINA , CA, 91724 ,
Contact Phone No and Ext:	626-622-4345

Contact Email:	ERNIE@SIRRIS.BIZ
Contact Country:	
Land Type:	
County Name:	LOS ANGELES
EPA Region:	09
Receive Date:	20190404
Location Latitude:	34.098025
Location Longitude:	-117.869732

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190404
Handler Name:	MIKE RENNER
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1011 N.BENDER AVE
Name:	MIKE RENNER	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	626-622-4345	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1011 N.BENDER AVE
Name:	MIKE RENNER	**Street 2:**	
Date Became Current:		**City:**	COVINA
Date Ended Current:		**State:**	CA
Phone:	626-622-4345	**Country:**	
Source Type:	Implementer	**Zip Code:**	91724

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
61	1 of 1	WSW	0.83 / 4,366.34	604.48 / -65	JONES & ROY COMPANY 620 NORTH COMMERCIAL AVENUE COVINA CA 91723	ENVIROSTOR

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Estor/EPA ID: 19340730
Site Code:
Nat Priority List: NO
APN: 8429021005
Census Tract: 6037403722
Site Type: * HISTORICAL
Address Description: 620 NORTH COMMERCIAL AVENUE
Office: CLEANUP CHATSWORTH
Special Program: * RCRA 3012 - PAST HAZ WASTE DISP INVEN SITE
Funding:
Assembly District: 48
Senate District: 22
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: LOS ANGELES
Latitude: 34.0919660368339
Longitude: -117.877286475195
Acres: NONE SPECIFIED
Supervisor:
Cleanup Status: REFER: OTHER AGENCY AS OF 4/24/1984
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Status: REFER: OTHER AGENCY
A2 Program Type: HISTORICAL
CalEnviroScreen Score: 61-65%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=19340730

Completed Activities

Title: Discovery
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Discovery
Date Completed: 9/26/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 10/25/1994
Comments: Database verification program confirms NFA for DTSC.

Title: Preliminary Assessment Report
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Assessment Report
Date Completed: 4/24/1984
Comments: SOURCE ACT: CO SANIT B PERMT #6381 METAL STAMPING & WIRING FORMIG SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

62	1 of 1	W	0.97 / 5,131.60	598.44 / -71	ELDON DRAPERY CLEANERS (FORMER) 551 E. EDNA PLACE COVINA CA 91723	ENVIROSTOR

Estor/EPA ID: 19720036
Assembly District: 57

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Code:
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6037403721
Site Type: EVALUATION
Address Description: 551 E. EDNA PLACE
Office: CLEANUP CYPRESS
Special Program:
Funding: NOT APPLICABLE
Cleanup Status: REFER: 1248 LOCAL AGENCY AS OF 11/28/2001
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Senate District:
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: LOS ANGELES
Latitude: 34.0936098
Longitude: -117.8801246
Acres: NONE SPECIFIED
Supervisor:

Status: REFER: 1248 LOCAL AGENCY
A2 Program Type: EVALUATION
CalEnviroScreen Score: 46-50%
Summary Link: http://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=19720036

Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID

No unplottable records were found that may be relevant for the search criteria.

Unplottable Report

No unplottable records were found that may be relevant for the search criteria.

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

National Priority List: NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Apr 27, 2021

National Priority List - Proposed: PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Apr 27, 2021

Deleted NPL: DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Apr 27, 2021

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Mar 23, 2021

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Mar 23, 2021

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Jan 22, 2021

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Jan 22, 2021

RCRA Generator List: RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Apr 5, 2021

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Jan 22, 2021

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Jan 22, 2021

RCRA Non-Generators: RCRA NON GEN

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Jan 22, 2021

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Feb 23, 2021

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Feb 23, 2021

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Nov 9, 2020

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 6, 2021

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Dec 2, 2020

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Jul 10, 2020

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Apr 28, 2020

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Mar 23, 2021

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Feb 23, 2021

State

State Response Sites: RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

Government Publication Date: Jan 13, 2021

EnviroStor Database: ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

Government Publication Date: Jan 13, 2021

Delisted State Response Sites: DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

Government Publication Date: Jan 13, 2021

Solid Waste Information System (SWIS): SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: Feb 8, 2021

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels: SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

EnviroStor Hazardous Waste Facilities: HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Jan 13, 2021

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report: SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Construction and Demolition Debris Recyclers: C&D DEBRIS RECY

This listing of Construction and Demolition Debris Recyclers is maintained by the California Intergrated Waste Management Board-common C&D materials include lumber, drywall, metals, masonry (brick, concrete, etc.), carpet, plastic, pipe, rocks, dirt, paper, cardboard, or green waste related to land development.

Government Publication Date: Jun 20, 2018

Recycling Centers: RECYCLING

This list of Certified Recycling Centers that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Nov 2, 2020

Listing of Certified Processors: PROCESSORS

This list of Certified Processors that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Oct 27, 2020

Listing of Certified Dropoff, Collection, and Community Service Programs: CONTAINER RECY

This list of Certified Dropoff, Collection, and Community Service Programs (non-buyback) operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Dec 16, 2020

Land Disposal Sites: LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Mar 9, 2021

Leaking Underground Fuel Tank Reports: LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Mar 9, 2021

Delisted Leaking Storage Tanks: DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: May 5, 2021

Permitted Underground Storage Tank (UST) in GeoTracker: UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: Mar 23, 2021

Proposed Closure of Underground Storage Tank Cases: UST CLOSURE

List of UST cases that are being considered for closure by either the California Environmental Protection Agency, State Water Resources Control Board or the Executive Director that have been posted for a 60-day public comment period.

Government Publication Date: May 5, 2021

Historical Hazardous Substance Storage Information Database: HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Statewide Environmental Evaluation and Planning System: UST SWEEPS

The Statewide Environmental Evaluation and Planning System (SWEEPS) is a historical listing of active and inactive underground storage tanks made available by the California State Water Resources Control Board (SWRCB).

Government Publication Date: Oct 1, 1994

Aboveground Storage Tanks: AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

SWRCB Historical Aboveground Storage Tanks: AST SWRCB

A list of aboveground storage tanks made available by the California State Water Resources Control Board (SWRCB). Effective January 1, 2008, the Certified Unified Program Agencies (CUPAs) are vested with the responsibility and authority to implement the Aboveground Petroleum Storage Act (APSA).

Government Publication Date: Dec 1, 2007

Oil and Gas Facility Tanks: TANK OIL GAS

Locations of oil and gas tanks that fall under the jurisdiction of the Geologic Energy Management Division of the California Department of Conservation (CalGEM) (CCR 1760). CalGEM was formerly the Division of Oil, Gas, and Geothermal Resources (DOGGR).

Government Publication Date: Apr 14, 2021

Delisted Storage Tanks: DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: Apr 14, 2021

California Environmental Reporting System (CERS) Tanks: CERS TANK

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Apr 29, 2021

Delisted California Environmental Reporting System (CERS) Tanks: DELISTED CTNK

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: Apr 29, 2021

Historical Hazardous Substance Storage Container Information - Facility Summary: HIST TANK

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in th 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions: LUR

The Department of Toxic Substances Control (DTSC) Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Jan 13, 2021

CALSITES Database: CALSITES

This historical database was maintained by the Department of Toxic Substance Control (DTSC) for more than a decade. CALSITES contains information on Brownfield properties with confirmed or potential hazardous contamination. In 2006, DTSC introduced EnviroStor as the latest Brownfields site database.

Government Publication Date: May 1, 2004

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions: HLUR

The Department of Toxic Substances Control (DTSC) Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Government Publication Date: Feb 18, 2021

Deed Restrictions and Land Use Restrictions: DEED

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Mar 9, 2021

Voluntary Cleanup Program: VCP

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Jan 13, 2021

GeoTracker Cleanup Program Sites: CLEANUP SITES

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Mar 9, 2021

Delisted County Records: DELISTED COUNTY

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: May 4, 2021

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: INDIAN LUST
LUSTs on Tribal/Indian Lands in Region 9, which includes California.
Government Publication Date: Apr 8, 2020

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST
USTs on Tribal/Indian Lands in Region 9, which includes California.
Government Publication Date: Apr 8, 2020

Delisted Tribal Leaking Storage Tanks: DELISTED ILST
Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.
Government Publication Date: Apr 14, 2020

Delisted Tribal Underground Storage Tanks: DELISTED IUST
Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.
Government Publication Date: Apr 14, 2020

County

Los Angeles County - Site Mitigation List: LA SML
A Site Mitigation List in the County of Los Angeles. The list is made available by Los Angeles County Fire Department. Site mitigation is handled by the Site Mitigation Unit (SMU) which facilitates completion of site clean-up projects of contaminated sites in an expeditious manner in all cities of the Los Angeles County except El Segundo, Glendale, Long Beach, Santa Fe Springs, and Vernon.
Government Publication Date: Mar 2, 2021

Los Angeles County - Solid Waste Sites: LA SWF
List of permitted solid waste facilities, closed landfills, historical dumpsites and other solid waste sites in Los Angeles County, made available by the Department of Public Works in Los Angeles County.
Government Publication Date: Mar 23, 2021

Los Angeles County - CUPA Program Records: LA COUNTY CUPA
A list of inspection and enforcement records for active and inactive CUPA Program facilities, made available by the Health Hazardous Materials Division (HHMD) of the County of Los Angeles Fire Department. Includes Hazardous Materials Business Plan (HMBP), California Accidental Release Prevention Plan (CalARP), Hazardous Waste Generator (HWG), and the Aboveground Petroleum Storage Act Programs (APSA). Inactive programs include facilities that are out of business or no longer regulated by the HHMD.
Government Publication Date: Mar 25, 2020

Los Angeles County - HMS List: LA HMS
List of sites in the Los Angeles County Department of Public Works Hazardous Materials System (HMS) Database which have or have had permits for Industrial Waste, Underground Storage Tanks, or Stormwater in the county of Los Angeles.
Government Publication Date: Nov 5, 2020

Los Angeles County - Santa Fe Springs Underground Storage Tank: UST SANTAFESP
A list of registered active Underground Storage Tanks (USTs) in the City of Santa Fe Springs. This list is made available by Santa Fe Springs Department of Fire-Rescue.
Government Publication Date: Apr 1, 2021

Los Angeles County - Long Beach UST List: UST LONGB
List of registered Underground Storage Tanks (USTs) in the City of Long Beach, Los Angeles County, made available by the Long Beach Certified Unified Program Agency (CUPA). The Long Beach CUPA operates under oversight shared by the Long Beach Fire Department and Health Department.
Government Publication Date: Jul 9, 2018

Los Angeles County - Burbank City CUPA List: BURBANK CUPA

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the City of Burbank. This list is made available by the City of Burbank Fire Department.

Government Publication Date: Aug 21, 2019

Los Angeles County - El Segundo City Underground Storage Tanks List: UST ELSEGUNDO

List of registered Underground Storage Tanks (USTs) in the City of El Segundo of Los Angeles County, made available by El Segundo City Fire Department.

Government Publication Date: Jan 17, 2017

Los Angeles County - Santa Monica City Underground Storage Tank List: UST SANTA MONICA

A list of registered active Underground Storage Tanks (USTs) in the City of Santa Monica made available by Santa Monica Fire Prevention Division.

Government Publication Date: Dec 3, 2020

Los Angeles County - Santa Monica City Aboveground Storage Tank List: SANTAMON AST

List of registered Aboveground Storage Tanks (ASTs) made available by the Santa Monica Fire Department in the City of Santa Monica of Los Angeles County, California.

Government Publication Date: Dec 3, 2020

Los Angeles County - Santa Monica City CUPA Facilities List: SANTAMON CUPA

The Santa Monica Fire Department's office maintains a list of CUPA Facilities located in Santa Monica city.

Government Publication Date: Dec 3, 2020

Los Angeles County - Torrance City Underground Storage Tanks: UST TORRANCE

A list of registered Underground Storage Tank (UST) sites in Torrance City of Los Angeles County. This list is made available by Torrance City Office of Clerk.

Government Publication Date: Feb 2, 2021

Los Angeles County - Vernon City UST List: UST VERNON

A list of Underground Storage Tanks (UST) in Vernon City provided by the Vernon City Fire Department.

Government Publication Date: Mar 7, 2021

Los Angeles County - Vernon City CUPA List: VERNON CUPA

The Vernon City Fire Department's office maintains a list of CUPA Facilities located in Vernon city.

Government Publication Date: Mar 7, 2021

Los Angeles County - City of Los Angeles UST List: UST LA CITY

A list of active and inactive underground storage tank facilities made available by the Los Angeles Fire Department CUPA.

Government Publication Date: Jun 1, 2019

Los Angeles County - City of Los Angeles AST List: AST LA CITY

A list of active and inactive above ground petroleum storage tanks made available by the Los Angeles Fire Department CUPA.

Government Publication Date: Jun 1, 2019

Los Angeles County - City of Los Angeles Hazardous Materials Facilities: LA CITY HAZMAT

A list of active and inactive hazardous materials facilities made available by the Los Angeles Fire Department CUPA.

Government Publication Date: Jun 1, 2019

Additional Environmental Record Sources

Federal

PFOA/PFOS Contaminated Sites: PFAS NPL

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Mar 1, 2021

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Nov 2, 2020

Toxics Release Inventory (TRI) Program: TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Releases: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Oct 5, 2020

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Apr 27, 2021

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Mar 24, 2021

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Feb 17, 2021

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Feb 17, 2021

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Jan 28, 2020

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 1, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Jul 7, 2020

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Nov 3, 2020

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Government Publication Date: Dec 18, 2020

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2006

Uranium Mill Tailings Radiation Control Act Sites: URANIUM

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

Government Publication Date: Mar 4, 2017

Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Apr 27, 2021

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Apr 13, 2021

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Nov 19, 2020

State

Dry Cleaning Facilities: DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: Feb 22, 2021

Delisted Drycleaners: DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

Government Publication Date: Feb 22, 2021

Non-Toxic Dry Cleaning Incentive Program: DRYC GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

Government Publication Date: Feb 28, 2018

Per- and Polyfluoroalkyl Substances (PFAS): PFAS

List of sites from the State Water Resources Control Board (SWRCB)'s GeoTracker at which one or more of the potential contaminants of concern are in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Mar 9, 2021

PFOA/PFOS Groundwater: PFAS GW

A list of water wells from the Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System with the groundwater chemical perfluorooctanoic acid (PFOA) (NL = 0.014 UG/L) or perfluorooctanoic sulfonate (PFOS) (NL = 0.013 UG/L). The GAMA Groundwater Information System search is made available by California Water Boards.

Government Publication Date: Oct 22, 2020

Hazardous Waste and Substances Site List - Site Cleanup: HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

Government Publication Date: Nov 10, 2020

List of Hazardous Waste Facilities Subject to Corrective Action: DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

EnviroStor Inspection, Compliance, and Enforcement: INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked in the Department of Toxic Substance Control (DTSC) EnviroStor.

Government Publication Date: Oct 7, 2020

School Property Evaluation Program Sites: SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Jan 13, 2021

California Hazardous Material Incident Report System (CHMIRS): CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 21, 2021

Historical California Hazardous Material Incident Report System (CHMIRS): HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Hazardous Waste Manifest Data: HAZNET

A list of hazardous waste manifests received each year by Department of Toxic Substances Control (DTSC). The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Oct 24, 2016

Historical Hazardous Waste Manifest Data: HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

DTSC Registered Hazardous Waste Transporters: HW TRANSPORT

The California Department of Toxic Substances Control (DTSC) maintains this list of Registered Hazardous Waste Transporters.

Government Publication Date: Oct 19, 2020

Registered Waste Tire Haulers: WASTE TIRE

This list of registered waste tire haulers is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Dec 16, 2020

California Medical Waste Management Program Facility List: MEDICAL WASTE

This list of Medical Waste Management Program Facilities is maintained by the California Department of Public Health. The Medical Waste Management Program (MWMP) regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the Medical Waste Management Act (MWMA). The MWMP permits and inspects all medical waste off-site treatment facilities, medical waste transporters, and medical waste transfer stations. This list contains transporters, treatment, and transfer facilities.

Government Publication Date: Dec 31, 2020

Historical Cortese List: HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

Cease and Desist Orders and Cleanup and Abatement Orders: CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Feb 16, 2012

California Environmental Reporting System (CERS) Hazardous Waste Sites: CERS HAZ

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Feb 9, 2021

Delisted Environmental Reporting System (CERS) Hazardous Waste Sites: DELISTED HAZ

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

Sites in GeoTracker: GEOTRACKER

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

Government Publication Date: Mar 9, 2021

Mines Listing: MINE

This list includes mine site locations extracted from the Mines Online database, maintained by the California Department of Conservation. Mines Online (MOL) is an interactive web map designed with GIS features that provide information such as the mine name, mine status, commodity sold, location, and other mine specific data. Please note: Mine location information is provided to assist experts in determining the location of mine operators in accordance with California Civil Code section 1103.4 and reflects information reported by mine operators in annual reports provided under Public Resources Code section 2207. While the Division of Mine Reclamation (DMR) attempts to populate MOL with accurate location information, the DMR cannot guarantee the accuracy of operator reported location information.

Government Publication Date: Jan 12, 2021

Recorded Environmental Cleanup Liens: LIEN

The California Department of Toxic Substance Control (DTSC) maintains this list of liens placed upon real properties. A lien is utilized by the DTSC to obtain reimbursement from responsible parties for costs associated with the remediation of contaminated properties.

Government Publication Date: Nov 16, 2020

Waste Discharge Requirements: WASTE DISCHG

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Government Publication Date: Mar 9, 2021

Toxic Pollutant Emissions Facilities: EMISSIONS

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

Government Publication Date: Dec 31, 2018

Clandestine Drug Lab Sites: CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/clandestine drug laboratories.

Government Publication Date: Jan 19, 2021

Tribal

No Tribal additional environmental record sources available for this State.

County

Los Angeles County - Santa Monica City Hazardous Materials Facilities: SANTAMON HAZ

A list of Hazardous Materials Facilities in the City of Santa Monica, Los Angeles county. This list is made available by Santa Monica Fire Prevention Division which has been designated as the CUPA for the City.

Government Publication Date: Mar 12, 2020

Los Angeles County - Santa Monica City Hazardous Waste Facilities: SANTAMON HW

A list of Hazardous Waste Facilities in Los Angeles County, City of Santa Monica. This list is made available by Santa Monica Fire Prevention Division.

Government Publication Date: Jul 19, 2019

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		21052501639p
Date Completed:		May 25, 2021
Project Number:		25021-021079.00
Project Property:		PS - Covina, CA 1330 Cypress Street Covina CA 91724
Coordinates:		
	Latitude:	34.09524033
	Longitude:	-117.86268619
	UTM Northing:	3773051.97157 Meters
	UTM Easting:	420420.695675 Meters
	UTM Zone:	UTM Zone 11S
	Elevation:	669.84 ft
	Slope Direction:	SW

Topographic Information....2
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Geologic Information....7
Soil Information....9
Wells and Additional Sources....11
  Summary....12
  Detail Report....14
Radon Information....29
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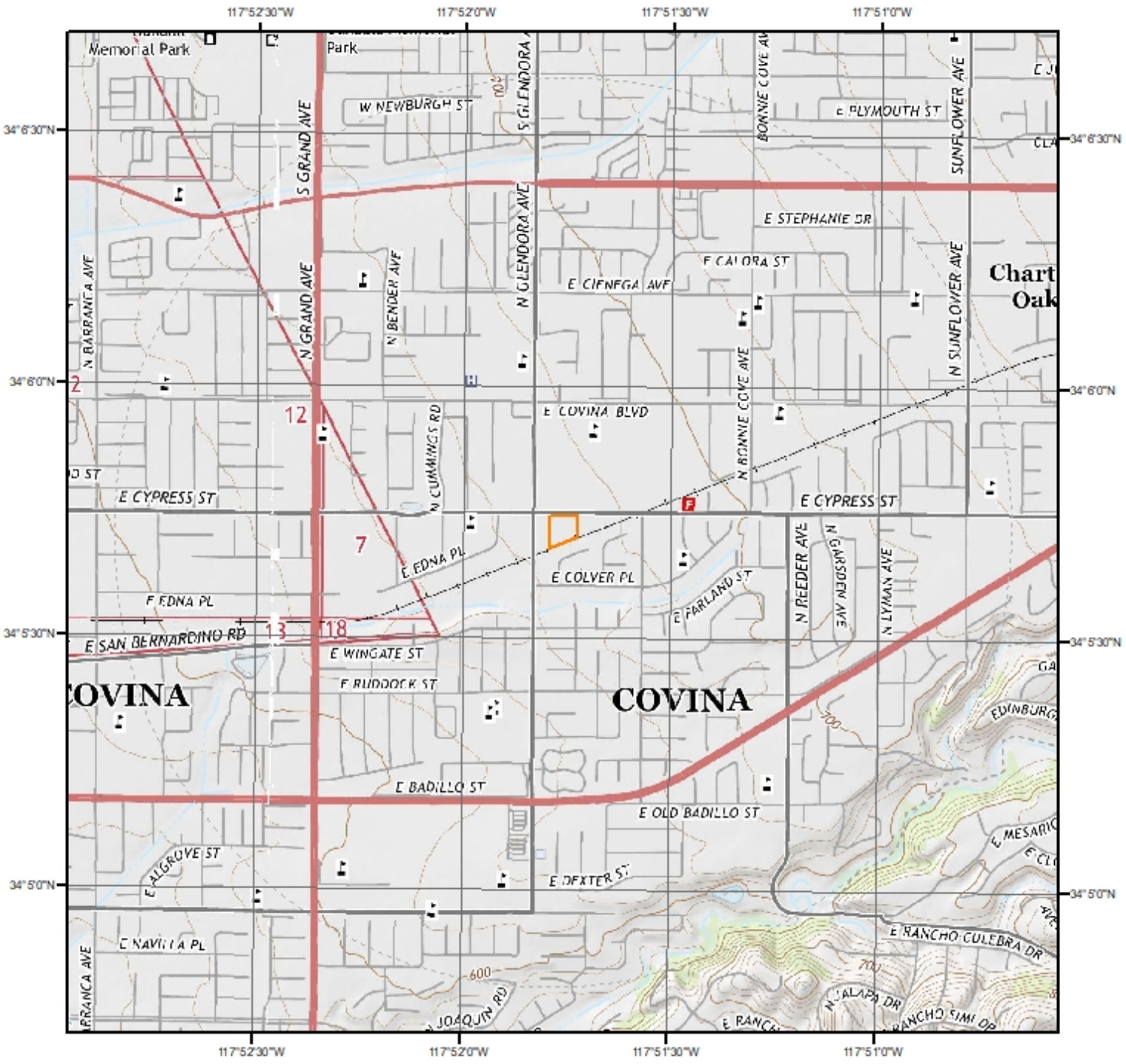
The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2015)

0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Baldwin Park, CA; San Dimas, CA

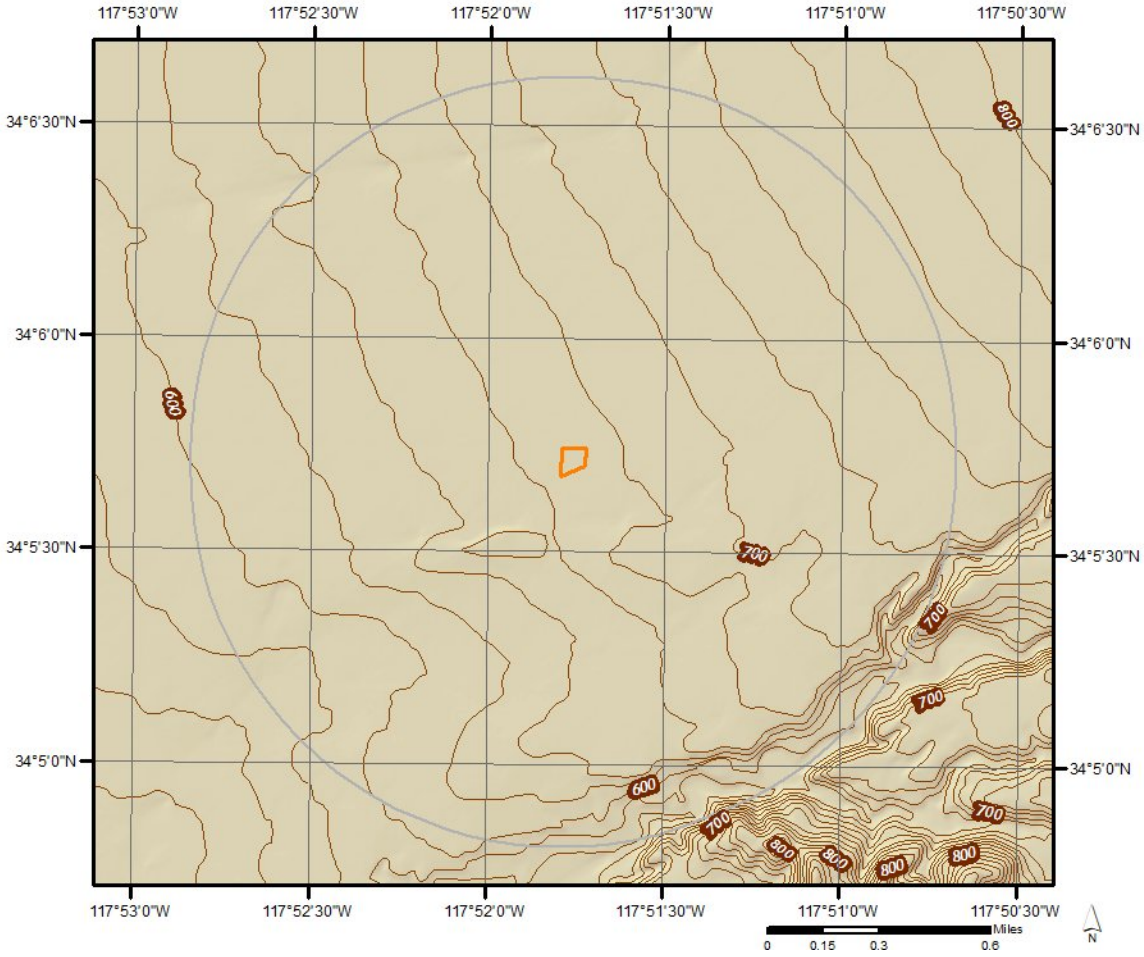
Source: USGS 7.5 Minute Topographic Map

Topographic Information

The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

Elevation:	669.84 ft
Slope Direction:	SW



Hydrologic Information



Wetland

0 0.075 0.15 0.3 Miles

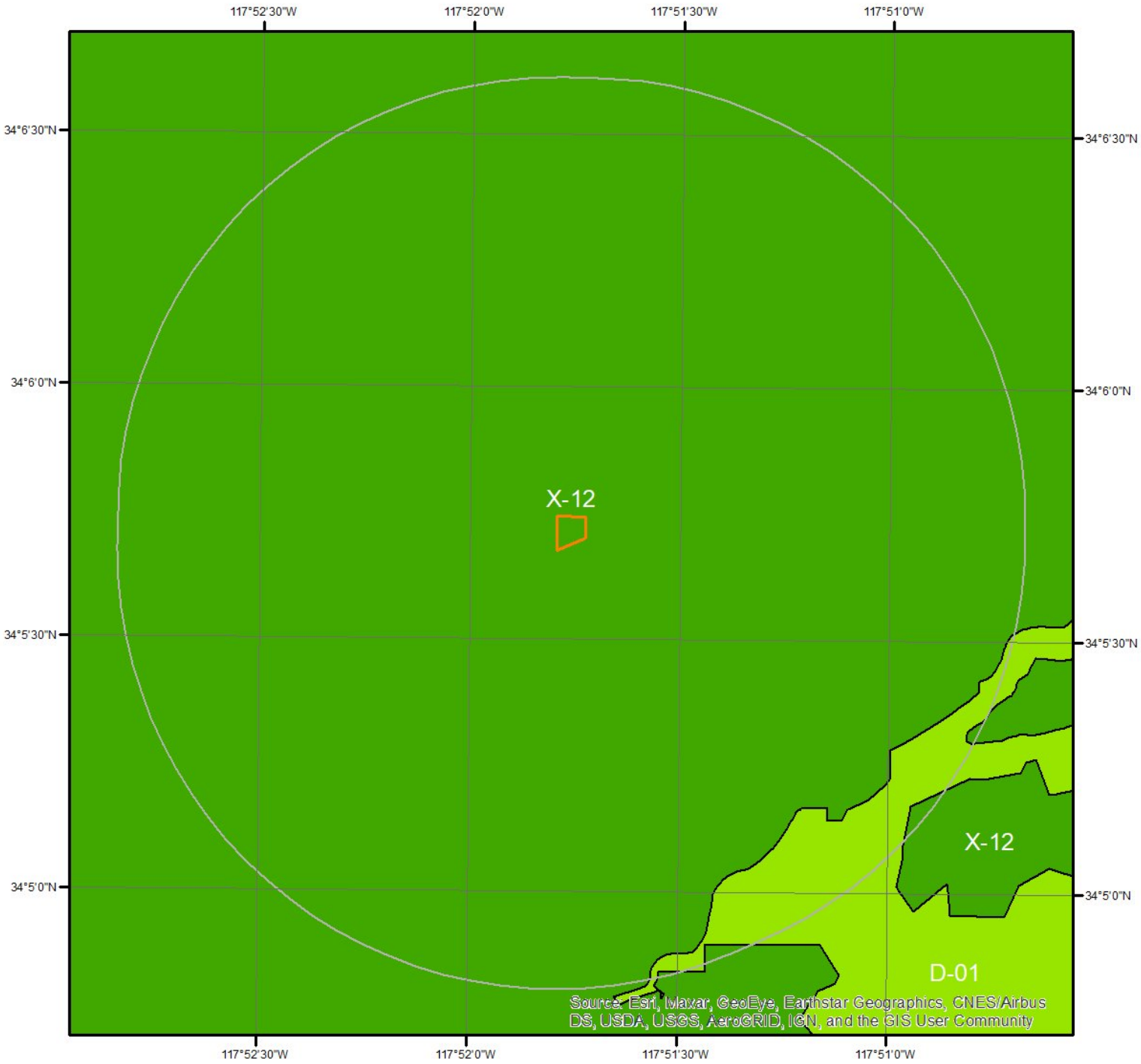
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

ERIS

Hydrologic Information



Flood Hazard Zones

Miles
0 0.2 0.4

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

N

06037C1700F
06037C1725F
06071C8600H

ERIS

Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.

Available FIRM Panels in area:	06071C8600H(effective:2008-08-28) 06037C1725F(effective:2008-09-26) 06037C1700F(effective:2008-09-26)

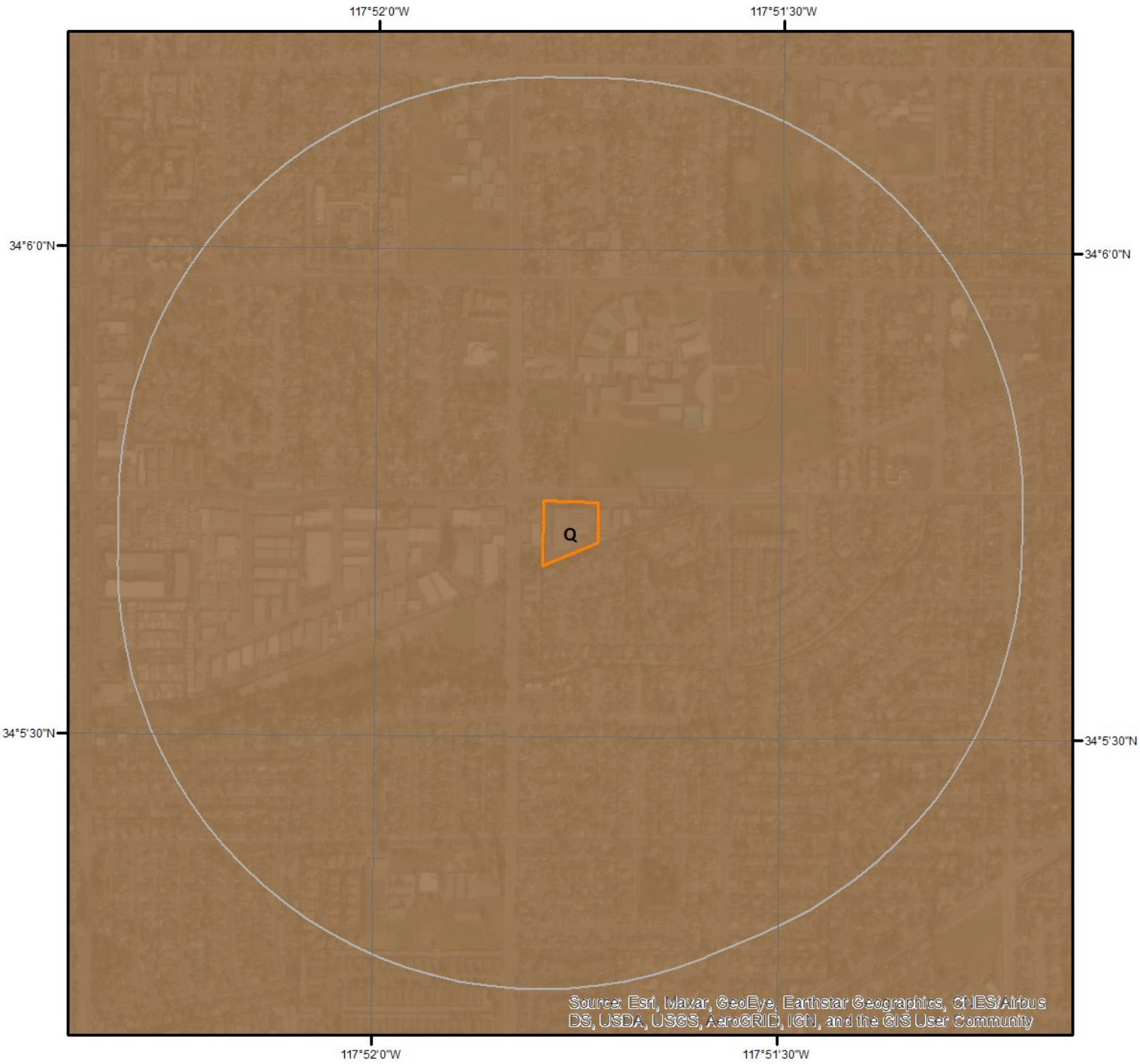
Flood Zone D-01

Zone:	D
Zone subtype:	

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Geologic Information



0 0.2 0.4 Miles N

Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

ERIS

Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Q

Unit Name:	Quaternary alluvium and marine deposits
Unit Age:	Pliocene to Holocene
Primary Rock Type:	alluvium
Secondary Rock Type:	terrace
Unit Description:	Alluvium, lake, playa, and terrace deposits; unconsolidated and semi-consolidated. Mostly nonmarine, but includes marine deposits near the coast.

Soil Information



SSURGO Soils



This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS

Soil Information

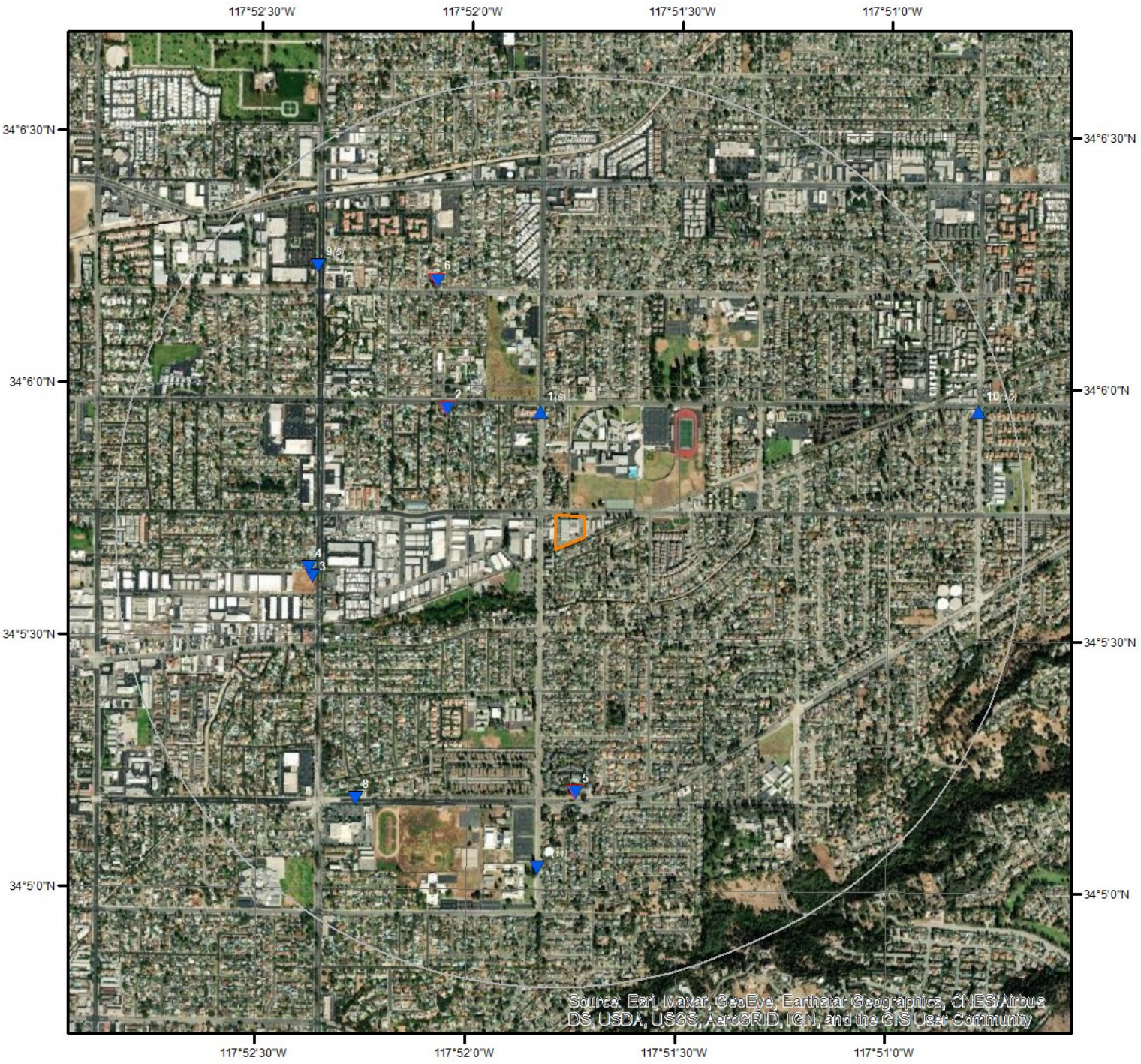
The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit NOTCOM (100.0%)

Map Unit Name: No Digital Data Available

No more attributes available for this map unit

Wells and Additional Sources



Wells & Additional Sources

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
8	CA1900733	3849.673257694575	SW
9	CA1910059	4139.348952148797	NW
9	CA1910046	4139.348952148797	NW
9	CA1910174	4139.348952148797	NW
9	CA1910200	4139.348952148797	NW
9	CA1910205	4139.348952148797	NW

Safe Drinking Water Information System (SDWIS)

Map Key	ID	Distance (ft)	Direction
	No records found		

USGS National Water Information System

Map Key	Monitoring Loc Identifier	Distance (ft)	Direction
3	USGS-340537117521901	2935.560117383271	W

State Sources

Oil and Gas Wells

Map Key	API No	Distance (ft)	Direction
2	0403705433	1817.723453211233	NW
5	0403706119	2948.959010316288	S
6	0403706071	3160.83295816321	NNW

Periodic Groundwater Level Measurement Locations

Map Key	Site Code	Distance (ft)	Direction
4	340939N1178727W001	2973.477589929051	W

Well Completion Reports

Map Key	WCR No	Distance (ft)	Direction
1	WCR1943-000255	1260.857871202306	NNW
1	WCR2001-011271	1260.857871202306	NNW
1	WCR1943-000257	1260.857871202306	NNW
1	WCR1943-000254	1260.857871202306	NNW
1	WCR1943-000256	1260.857871202306	NNW
1	WCR2001-010694	1260.857871202306	NNW
7	WCR1926-000125	3845.664189026612	S
7	WCR1911-000143	3845.664189026612	S
7	WCR1976-005706	3845.664189026612	S
7	WCR1943-000265	3845.664189026612	S

Wells and Additional Sources Summary

7	WCR2001-011754	3845.664189026612	S
7	WCR1943-000263	3845.664189026612	S
7	WCR1943-000253	3845.664189026612	S
7	WCR1926-000418	3845.664189026612	S
7	WCR1927-000110	3845.664189026612	S
7	WCR1943-000252	3845.664189026612	S
7	WCR1910-000066	3845.664189026612	S
10	WCR1943-000259	4906.176738431819	ENE
10	WCR1930-000431	4906.176738431819	ENE
10	WCR1942-000323	4906.176738431819	ENE
10	WCR2001-010697	4906.176738431819	ENE
10	WCR2001-010695	4906.176738431819	ENE
10	WCR1926-000338	4906.176738431819	ENE
10	WCR1943-000258	4906.176738431819	ENE
10	WCR1928-000332	4906.176738431819	ENE
10	WCR1899-000084	4906.176738431819	ENE
10	WCR2007-011134	4906.176738431819	ENE

Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	SW	0.73	3,849.67	597.40	PWSV

Address Line 2:
State Code: CA
Zip Code: 91724
City Name: COVINA
Address Line 1: 973 E. BADILLO SUITE A
PWS ID: CA1900733
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: A
PWS Activity Description: Active
PWS Deactivation Date:
Phone Number:

--Details--
Population Served Count: 26
City Served:
County Served: Los Angeles
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	NW	0.78	4,139.35	650.62	PWSV

Address Line 2:
State Code: CA
Zip Code: 91724
City Name: COVINA
Address Line 1: 1325 N. GRAND AVENUE, #100
PWS ID: CA1910059
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: SWP
Primary Source Desc: Purchased Surface Water
PWS Activity Code: A
PWS Activity Description: Active
PWS Deactivation Date:
Phone Number: 626-543-2643

Wells and Additional Sources Detail Report

--Details--
Population Served Count: 56953
City Served:
County Served: Los Angeles
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	NW	0.78	4,139.35	650.62	PWSV

Address Line 2:
State Code: CA
Zip Code: 91724
City Name: COVINA
Address Line 1: 1325 N. GRAND AVENUE, #100
PWS ID: CA1910046
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: SWP
Primary Source Desc: Purchased Surface Water
PWS Activity Code: A
PWS Activity Description: Active
PWS Deactivation Date:
Phone Number: 626-543-2643

--Details--
Population Served Count: 4802
City Served:
County Served: Los Angeles
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	NW	0.78	4,139.35	650.62	PWSV

Address Line 2:
State Code: CA
Zip Code: 91724
City Name: COVINA
Address Line 1: 1325 N. GRAND AVENUE, #100
PWS ID: CA1910174
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: SWP
Primary Source Desc: Purchased Surface Water
PWS Activity Code: A

PWS Activity Description: Active
PWS Deactivation Date:
Phone Number: 626-543-2643

--Details--
Population Served Count: 59169
City Served:
County Served: Los Angeles
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	NW	0.78	4,139.35	650.62	PWSV

Address Line 2:
State Code: CA
Zip Code: 91724
City Name: COVINA
Address Line 1: 1325 N. GRAND AVENUE, #100
PWS ID: CA1910200
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: SWP
Primary Source Desc: Purchased Surface Water
PWS Activity Code: A
PWS Activity Description: Active
PWS Deactivation Date:
Phone Number: 626-543-2643

--Details--
Population Served Count: 1548
City Served:
County Served: Los Angeles
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	NW	0.78	4,139.35	650.62	PWSV

Address Line 2:
State Code: CA
Zip Code: 91724
City Name: COVINA
Address Line 1: 1325 N. GRAND AVENUE, #100
PWS ID: CA1910205
PWS Type Code: CWS

PWS Type Description:	Community Water System
Primary Source Code:	SWP
Primary Source Desc:	Purchased Surface Water
PWS Activity Code:	A
PWS Activity Description:	Active
PWS Deactivation Date:	
Phone Number:	626-543-2643

--Details--

Population Served Count:	162031
City Served:	
County Served:	Los Angeles
State Served:	CA
Zip Code Served:	

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	W	0.56	2,935.56	625.51	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:	515	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	515	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	LOS ANGELES
Construction Date:		Latitude:	34.0936202
Source Map Scale:	24000	Longitude:	-117.8728391
Monitoring Loc Name:	001S010W12R001S		
Monitoring Loc Identifier:	USGS-340537117521901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18070106		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:			
Vertical Measure Unit:			
Vertical Accuracy:			
Vertical Accuracy Unit:			
Vertical Collection Mthd:			

Vert Coord Refer System:

Oil and Gas Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NW	0.34	1,817.72	660.48	OGW

API No:	0403705433	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	03300
Well No:	1	Operator Name:	Geo. Goodrum
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	DH	District:	Southern
Well Type Desc:	Dry Hole	Geo District:	
Well Symbol:	PluggedDH	Field Code:	
Well Sym Desc:		Field Name:	Any Field
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Los Angeles
Lease Name:	Charter Oak	Section:	07
Elevation:		Township:	01S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	34.09917831
Confidential:		Long83:	-117.86752319
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	S	0.56	2,948.96	642.70	OGW

API No:	0403706119	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	5-1	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	DH	District:	Southern
Well Type Desc:	Dry Hole	Geo District:	

Wells and Additional Sources Detail Report

Well Symbol:	PluggedDH	Field Code:	
Well Sym Desc:		Field Name:	Any Field
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Los Angeles
Lease Name:	South Covina	Section:	18
Elevation:		Township:	01S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	34.08652496
Confidential:		Long83:	-117.86234283
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NNW	0.60	3,160.83	669.29	OGW

API No:	0403706071	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	C5640
Well No:	27-1	Operator Name:	Chevron U.S.A. Inc.
Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	DH	District:	Southern
Well Type Desc:	Dry Hole	Geo District:	
Well Symbol:	PluggedDH	Field Code:	
Well Sym Desc:		Field Name:	Any Field
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Los Angeles
Lease Name:	Covina	Section:	07
Elevation:		Township:	01S
Total Depth:		Range:	09W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	34.1034317
Confidential:		Long83:	-117.86798096
Confidential Well:	No	Base Meridian:	SB
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			

Location:
Source83 Desc: Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps
URL:

Periodic Groundwater Level Measurement Locations

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	W	0.56	2,973.48	625.11	MONITOR WELLS

Site Code: 340939N1178727W001
State Well No: 01S10W12R001S
Station ID: 48908
WCR No: C-399
Well Depth: 575
Well Use: Other
Well Type: Single Well
Well Name: 02 (GRAND)
Latitude: 34.0939
Longitude: -117.873
Basin ID:
Basin Code: 4-013
Basin Name: San Gabriel Valley
Basin Region Code: 4
Basin Region Desc: South Coast
Basin Region Actv: Y
Basin Region Order: 4
County Name: Los Angeles
WLM Method: Surveyed to a benchmark
WLM Accuracy: 0.1 ft.

Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	NNW	0.24	1,260.86	675.49	WATER WELLS

WCR No: WCR1943-000255
County(OSWCR): Los Angeles
Decimal Lat(OSWCR): 34.09913
Decim Long(OSWCR): -117.86384
Location(OSWCR): BONITA, ARROW HWY, GLENDORA AVE
City(OSWCR): None
Location: BONITA, ARROW HWY, GLENDORA AVE
City: None
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports
County: Los Angeles
Decimal Latitude: 34.09913
Decimal Longitude: -117.86384

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	NNW	0.24	1,260.86	675.49	WATER WELLS

WCR No: WCR2001-011271
County(OSWCR): Los Angeles
Decimal Lat(OSWCR): 34.09913
Decim Long(OSWCR): -117.86384
Location(OSWCR): None
City(OSWCR): None
Location: None
City: None
County: Los Angeles
Decimal Latitude: 34.09913
Decimal Longitude: -117.86384

Wells and Additional Sources Detail Report

Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	NNW	0.24	1,260.86	675.49	WATER WELLS

WCR No:	WCR1943-000257	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.09913
Decimal Lat(OSWCR):	34.09913	Decimal Longitude:	-117.86384
Decim Long(OSWCR):	-117.86384		
Location(OSWCR):	CYPRESS AVE, BONNIE COVE AVE		
City(OSWCR):	None		
Location:	CYPRESS AVE, BONNIE COVE AVE		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	NNW	0.24	1,260.86	675.49	WATER WELLS

WCR No:	WCR1943-000254	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.09913
Decimal Lat(OSWCR):	34.09913	Decimal Longitude:	-117.86384
Decim Long(OSWCR):	-117.86384		
Location(OSWCR):	COVINA, GLENDORA		
City(OSWCR):	None		
Location:	COVINA, GLENDORA		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	NNW	0.24	1,260.86	675.49	WATER WELLS

WCR No:	WCR1943-000256	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.09913
Decimal Lat(OSWCR):	34.09913	Decimal Longitude:	-117.86384
Decim Long(OSWCR):	-117.86384		
Location(OSWCR):	CIENEGA AVE, GLENDORA AVE		
City(OSWCR):	None		
Location:	CIENEGA AVE, GLENDORA AVE		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	NNW	0.24	1,260.86	675.49	WATER WELLS

WCR No:	WCR2001-010694	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.09913
Decimal Lat(OSWCR):	34.09913	Decimal Longitude:	-117.86384
Decim Long(OSWCR):	-117.86384		
Location(OSWCR):	GLENDORA BLVD, COVINA BLVD		
City(OSWCR):	None		
Location:	GLENDORA BLVD, COVINA BLVD		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	S	0.73	3,845.66	642.77	WATER WELLS

WCR No:	WCR1926-000125	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.08404
Decimal Lat(OSWCR):	34.08404	Decimal Longitude:	-117.86382
Decim Long(OSWCR):	-117.86382		
Location(OSWCR):	REEDER, RUDDOCK		
City(OSWCR):	None		
Location:	REEDER, RUDDOCK		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	S	0.73	3,845.66	642.77	WATER WELLS

WCR No:	WCR1911-000143	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.08404
Decimal Lat(OSWCR):	34.08404	Decimal Longitude:	-117.86382
Decim Long(OSWCR):	-117.86382		
Location(OSWCR):	ROWLAND AVE, GRAND AVE		
City(OSWCR):	None		
Location:	ROWLAND AVE, GRAND AVE		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	S	0.73	3,845.66	642.77	WATER WELLS

WCR No:	WCR1976-005706	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.08404
Decimal Lat(OSWCR):	34.08404	Decimal Longitude:	-117.86382

Decim Long(OSWCR):	-117.86382
Location(OSWCR):	SERVICE RD, BADDILO ST, GRAND AVE
City(OSWCR):	None
Location:	SERVICE RD, BADDILO ST, GRAND AVE
City:	None
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	S	0.73	3,845.66	642.77	WATER WELLS

WCR No:	WCR1943-000265	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.08404
Decimal Lat(OSWCR):	34.08404	Decimal Longitude:	-117.86382
Decim Long(OSWCR):	-117.86382		
Location(OSWCR):	RUDDOCK, GRAND		
City(OSWCR):	None		
Location:	RUDDOCK, GRAND		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	S	0.73	3,845.66	642.77	WATER WELLS

WCR No:	WCR2001-011754	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.08404
Decimal Lat(OSWCR):	34.08404	Decimal Longitude:	-117.86382
Decim Long(OSWCR):	-117.86382		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	S	0.73	3,845.66	642.77	WATER WELLS

WCR No:	WCR1943-000263	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.08404
Decimal Lat(OSWCR):	34.08404	Decimal Longitude:	-117.86382
Decim Long(OSWCR):	-117.86382		
Location(OSWCR):	BADILLA AVE, GRAND AVE		
City(OSWCR):	None		
Location:	BADILLA AVE, GRAND AVE		
City:	None		

Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	S	0.73	3,845.66	642.77	WATER WELLS

WCR No:	WCR1943-000253	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.08404
Decimal Lat(OSWCR):	34.08404	Decimal Longitude:	-117.86382
Decim Long(OSWCR):	-117.86382		
Location(OSWCR):	BADILLO ST, GLENDORA AVE		
City(OSWCR):	None		
Location:	BADILLO ST, GLENDORA AVE		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	S	0.73	3,845.66	642.77	WATER WELLS

WCR No:	WCR1926-000418	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.08404
Decimal Lat(OSWCR):	34.08404	Decimal Longitude:	-117.86382
Decim Long(OSWCR):	-117.86382		
Location(OSWCR):	REEDER, RUDDOCK		
City(OSWCR):	None		
Location:	REEDER, RUDDOCK		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	S	0.73	3,845.66	642.77	WATER WELLS

WCR No:	WCR1927-000110	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.08404
Decimal Lat(OSWCR):	34.08404	Decimal Longitude:	-117.86382
Decim Long(OSWCR):	-117.86382		
Location(OSWCR):	REEDER AVE, RUDDOCK		
City(OSWCR):	None		
Location:	REEDER AVE, RUDDOCK		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	S	0.73	3,845.66	642.77	WATER WELLS

WCR No:	WCR1943-000252	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.08404
Decimal Lat(OSWCR):	34.08404	Decimal Longitude:	-117.86382
Decim Long(OSWCR):	-117.86382		
Location(OSWCR):	RUDDOCK ST, GLENDORA AVE		
City(OSWCR):	None		
Location:	RUDDOCK ST, GLENDORA AVE		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	S	0.73	3,845.66	642.77	WATER WELLS

WCR No:	WCR1910-000066	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.08404
Decimal Lat(OSWCR):	34.08404	Decimal Longitude:	-117.86382
Decim Long(OSWCR):	-117.86382		
Location(OSWCR):	ROWLAND AVE, GRAND AVE		
City(OSWCR):	None		
Location:	ROWLAND AVE, GRAND AVE		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	ENE	0.93	4,906.18	746.53	WATER WELLS

WCR No:	WCR1943-000259	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.09925
Decimal Lat(OSWCR):	34.09925	Decimal Longitude:	-117.84644
Decim Long(OSWCR):	-117.84644		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	ENE	0.93	4,906.18	746.53	WATER WELLS

WCR No:	WCR1930-000431	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.09925
Decimal Lat(OSWCR):	34.09925	Decimal Longitude:	-117.84644

Decim Long(OSWCR): -117.84644
Location(OSWCR): SUNFLOWER AVE, BONITA AVE
City(OSWCR): None
Location: SUNFLOWER AVE, BONITA AVE
City: None
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	ENE	0.93	4,906.18	746.53	WATER WELLS

WCR No: WCR1942-000323
County: San Bernardino
County(OSWCR): San Bernardino
Decimal Latitude: 34.09925
Decimal Lat(OSWCR): 34.09925
Decimal Longitude: -117.84644
Decim Long(OSWCR): -117.84644
Location(OSWCR): MT VERNON AVE, RIALTO AVE
City(OSWCR): None
Location: MT VERNON AVE, RIALTO AVE
City: None
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	ENE	0.93	4,906.18	746.53	WATER WELLS

WCR No: WCR2001-010697
County: Los Angeles
County(OSWCR): Los Angeles
Decimal Latitude: 34.09925
Decimal Lat(OSWCR): 34.09925
Decimal Longitude: -117.84644
Decim Long(OSWCR): -117.84644
Location(OSWCR): None
City(OSWCR): None
Location: None
City: None
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	ENE	0.93	4,906.18	746.53	WATER WELLS

WCR No: WCR2001-010695
County: Los Angeles
County(OSWCR): Los Angeles
Decimal Latitude: 34.09925
Decimal Lat(OSWCR): 34.09925
Decimal Longitude: -117.84644
Decim Long(OSWCR): -117.84644
Location(OSWCR): WEST OF VALLEY CENTER, SOUTH OF BONITA
City(OSWCR): None
Location: WEST OF VALLEY CENTER, SOUTH OF BONITA
City: None

Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	ENE	0.93	4,906.18	746.53	WATER WELLS

WCR No:	WCR1926-000338	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.09925
Decimal Lat(OSWCR):	34.09925	Decimal Longitude:	-117.84644
Decim Long(OSWCR):	-117.84644		
Location(OSWCR):	BONNIE COVE AVE, CIENEGA AVE		
City(OSWCR):	None		
Location:	BONNIE COVE AVE, CIENEGA AVE		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	ENE	0.93	4,906.18	746.53	WATER WELLS

WCR No:	WCR1943-000258	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.09925
Decimal Lat(OSWCR):	34.09925	Decimal Longitude:	-117.84644
Decim Long(OSWCR):	-117.84644		
Location(OSWCR):	SUNFLOWER AVE, CIENEGA AVE		
City(OSWCR):	None		
Location:	SUNFLOWER AVE, CIENEGA AVE		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	ENE	0.93	4,906.18	746.53	WATER WELLS

WCR No:	WCR1928-000332	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.09925
Decimal Lat(OSWCR):	34.09925	Decimal Longitude:	-117.84644
Decim Long(OSWCR):	-117.84644		
Location(OSWCR):	CIENEGA AVE, BONNIE COVE, SAN DIMAS		
City(OSWCR):	None		
Location:	CIENEGA AVE, BONNIE COVE, SAN DIMAS		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	ENE	0.93	4,906.18	746.53	WATER WELLS

Wells and Additional Sources Detail Report

WCR No:	WCR1899-000084	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.09925
Decimal Lat(OSWCR):	34.09925	Decimal Longitude:	-117.84644
Decim Long(OSWCR):	-117.84644		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	ENE	0.93	4,906.18	746.53	WATER WELLS

WCR No:	WCR2007-011134	County:	Los Angeles
County(OSWCR):	Los Angeles	Decimal Latitude:	34.09925
Decimal Lat(OSWCR):	34.09925	Decimal Longitude:	-117.84644
Decim Long(OSWCR):	-117.84644		
Location(OSWCR):	Haller Street & Charter Drive		
City(OSWCR):	Covina		
Location:	Haller Street & Charter Drive		
City:	Covina		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *LOS ANGELES* County: **2**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *LOS ANGELES* County

No Measures/Homes:	69
Geometric Mean:	0.4
Arithmetic Mean:	0.7
Median:	0.5
Standard Deviation:	1
Maximum:	5.6
% >4 pCi/L:	1
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of California conducted during 1989-90. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

State Sources

Oil and Gas Wells — **OGW**

A list of Oil and Gas well locations. This is provided by California's Department of Conservation Division of

Appendix

Oil, Gas and Geothermal Resources.

Periodic Groundwater Level Measurement Locations **MONITOR WELLS**

Locations of groundwater level monitoring wells in the Department of Water Resources (DWR)'s Periodic Groundwater Levels dataset. The DWR Periodic Groundwater Levels dataset contains seasonal and long-term groundwater level measurements collected by the Department of Water Resources and cooperating agencies.

Well Completion Reports **WATER WELLS**

List of wells from the Well Completion Reports data made available by the California Department of Water Resources' (DWR) Online System for Well Completion Reports (OSWCR). Please note that the majority of well completion reports have been spatially registered to the center of the 1x1 mile Public Land Survey System section that the well is located in.

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Appendix F

Preliminary Hydrology Study and LID Plan

ESA

PRELIMINARY HYDROLOGY STUDY

For:

PUBLIC STORAGE

Project Site Location/Address:
1330 E Cypress Street
Covina, CA 91724

Prepared For:
Public Storage, Inc.
701 Western Avenue
Glendale, CA 91201

Lead Agency:
City of Covina
125 E College St
Covina, CA 91723

Prepared by:
DRC Engineering, Inc.
160 S. Old Springs Road, Suite 210
Anaheim, CA 92808
(714) 685-6860
Christopher Mc□ee, P.E.

July 28, 2021

Project No. 21-918

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- Proposed Hydrology Map
- Proposed 25-year HydroCalc Calculations

SECTION 1.0

Introduction

The proposed project is the redevelopment of an existing industrial electronics manufacturing facility. The project site comprises of approximately 2.62 acres and is located at 1330 E Cypress St, Covina California. See the Vicinity Map in Section 2.0. The project will include the demolition of the existing building, parking lot, landscape area, and other site improvements. The proposed site will include a three-story commercial self-storage facility with site improvements. The proposed site will have new landscaping and impervious areas. Additional improvements will include underground sewer, domestic and fire water facilities, and storm drain facilities.

Project Description

Existing Site Conditions: The existing project site is industrial electronics manufacturing facility and office totaling 2.62 acres (total parcel area 2.70 acres). The site is approximately 94.8% impervious and generally slopes at from the northeast corner of the site to the southwest corner of the site into an existing 21" CMP inlet owned and maintained by the City of Covina.

Offsite run-on from the adjacent property to the east traverses the site via an existing concrete V-gutter flowing along the southern property line. The V-gutter drains to the existing 21" CMP inlet and confluences with the onsite drainage. Offsite run-on from the adjacent property to the west drains south via a concrete ribbon gutter along the west property line. The ribbon gutter drains to the existing 21" CMP inlet and confluences with the onsite drainage.

See the Existing Hydrology Map in Section 3.0.

Proposed Site Conditions: The proposed project site is a redevelopment of the existing site for the construction of a commercial self-storage building. The proposed site is approximately 92.7% impervious. The proposed site will generally match the existing drainage conditions. The private onsite storm drain system will drain to a proposed underground infiltration basin. High flows will bypass the system and will overflow into the existing 21" RCP. The proposed infiltration chambers are designed to retain the entire SWQDv and will attenuate peak flows.

Offsite run-on from the adjacent properties east and west of the site will be maintained. The existing V-gutter along the south property line will be improved and will maintain the same drainage pattern, and the existing ribbon gutter along the south properly line will be improved, and will continue to drain to the 21" RCP storm drain.

See the Proposed Hydrology Map in Section 4.0

Hydrology Methodology

Methodology: The hydrology calculations for the project are based on the Los Angeles County Department of Public Works (LADPW) Hydrology Manual (January 2006 edition). Location maps, precipitation values, and soil values have all been interpolated from the LADPW Hydrology Manual.

HydroCalc 1.0.2 was used to calculate peak flow rates for existing and proposed conditions. Both conditions were analyzed using the 25-year 24-hour storm event. The proposed project site has a soil type of 006 and a 50-year Isohyet of 7.1 inches per LADPW Hydrology Manual. See the attachments in Section 2.0. Peak flowrates obtained from HydroCalc results were compared in both existing and proposed conditions.

Existing Condition: The Existing Hydrology Map and HydroCalc calculations are found in Section 3.0. The longest path of flow was determined in the Hydrology Map. The length and slope of this path, site acreage, 25-year rainfall depth, soil type, and site imperviousness were input into HydroCalc. Peak flowrate results from the analysis are summarized in the table below.

EXISTING DRAINAGE SUMMARY TABLE

Drainage Area	Area	Storm Year	Peak Flowrate
A	2.70	25	7.69 cfs

Proposed Condition: The Proposed Hydrology Map and HydroCalc calculations are found in Section 4.0. The longest path of flow was determined in the Hydrology Map. The length and slope of this path, site acreage, 25-year rainfall depth, soil type, and site imperviousness were input into HydroCalc. Peak flowrate results from the analysis are summarized in the table below.

PROPOSED DRAINAGE SUMMARY TABLE

Drainage Area	Area	Storm Year	Peak Flowrate
A	2.70	25	6.81 cfs

Hydrology Summary: The peak flow rate calculated in the existing condition is less than the peak flow rate in the proposed condition by approximately 12.1%. This decrease can be attributed to the increased flow path length and pervious area in the proposed condition. It is also important to note that stormwater from events less than or equal to the 85th percentile storm event will be retained in the infiltration chambers. Storms greater than the 85th percentile storm event will overflow through the proposed southwest corner grate inlet. Therefore, the proposed peak flowrate results from HydroCalc are conservative, and do not account for peak flowrate attenuation caused by the bioretention basins.

Conclusions

The proposed site is designed to convey 25-year peak runoff from the site, and reduces the peak flowrate by approximately 12.1%. The proposed drainage pattern matches the existing drainage pattern that conveys stormwater to public storm drain facilities. In conclusion, the proposed condition improves upon the existing condition while maintaining existing drainage patterns.

SECTION 2.0

Vicinity Map
Reference Documentation

Figure 2.1: Vicinity Map

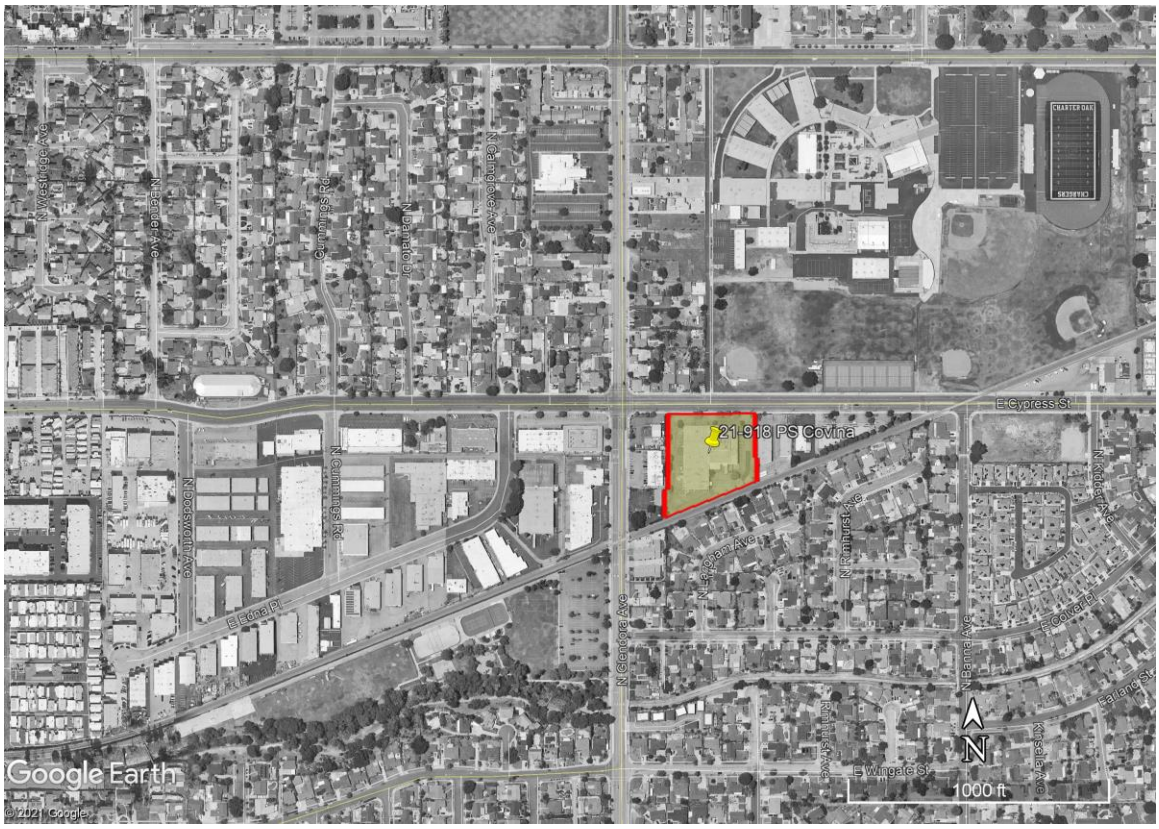
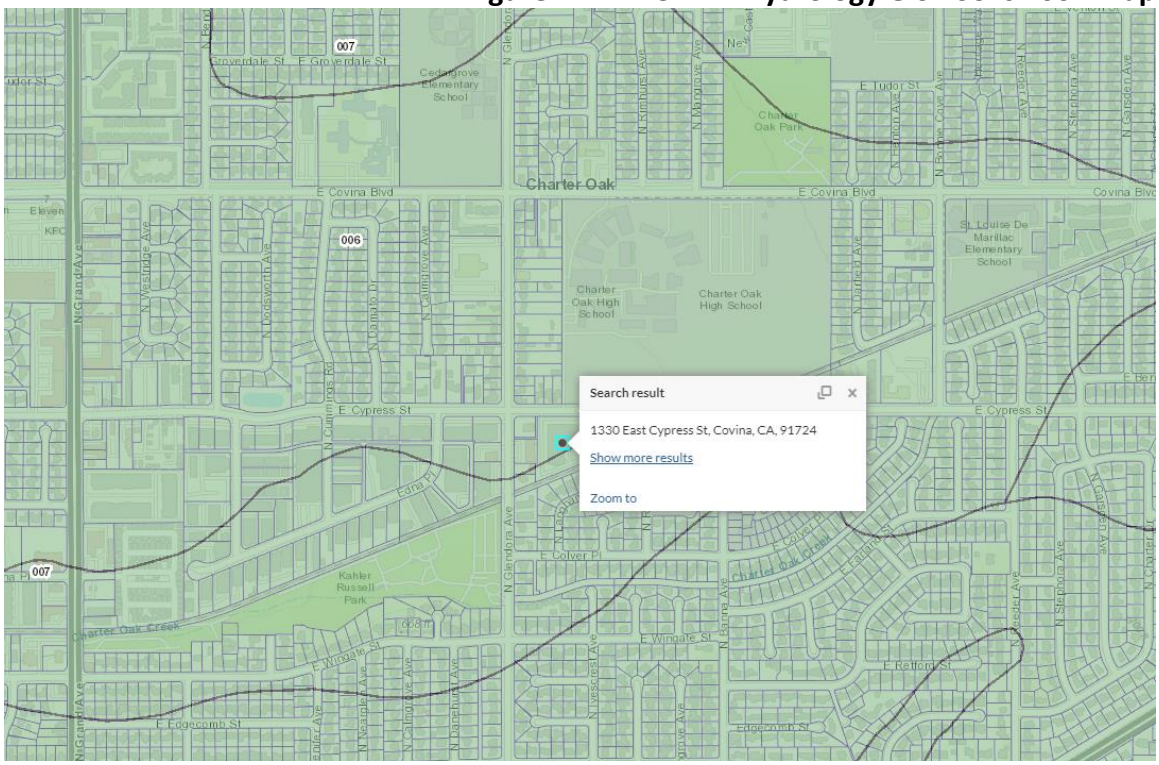
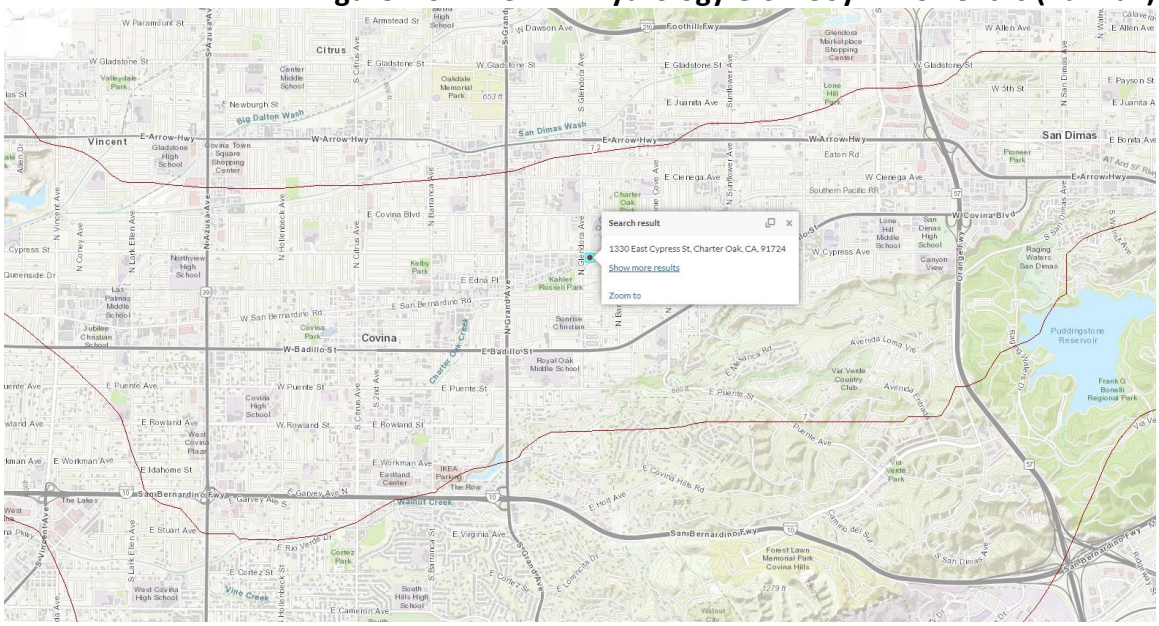


Figure 2.2: LACDPW Hydrology GIS - Soils 2004 Map



Soil Type: 6

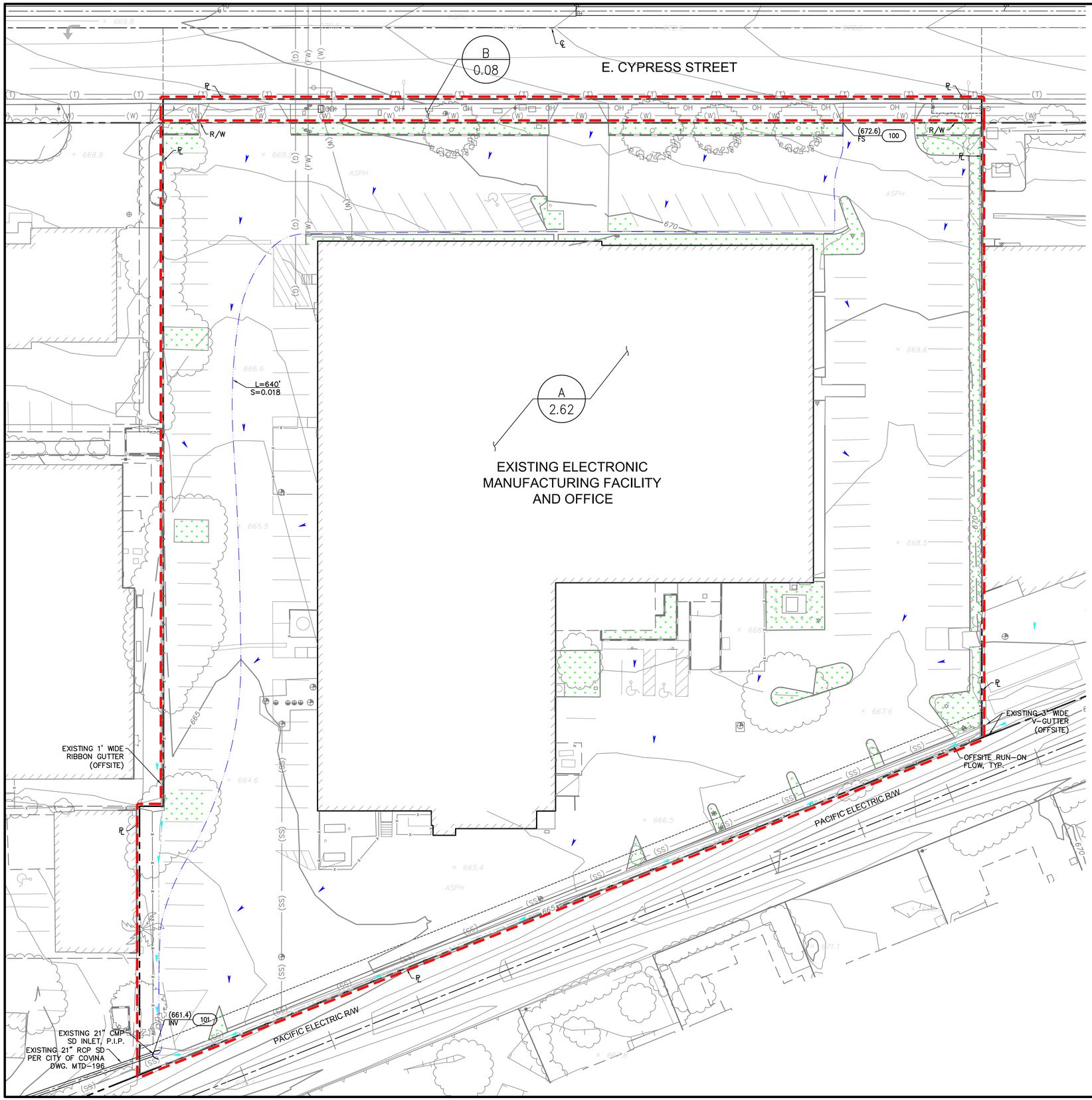
Figure 2.3: LACDPW Hydrology GIS – 50yr Two Tenths (Rainfall)



Rainfall depth: 7.1 inches

SECTION 3.0

Existing Hydrology Map
Existing 25-year HydroCalc Calculations



EXISTING SITE INFO:

PROJECT AREA: 2.70 ACRES (TOTAL PARCEL AREA)

PRE-DEVELOPMENT
IMPERVIOUS AREA: 2.56 ACRES
PERVIOUS AREA: 0.14 ACRES

LEGEND

- A / 2.62 — SUBAREA DESIGNATION / SUBAREA IN ACRES
- 100 — NODE NUMBER
- PERVIOUS AREA
- RUNOFF FLOW
- OFFSITE RUNOFF FLOW
- SUBAREA BOUNDARY
- FLOWPATH

160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

DRC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning

R.C.E. 74414
CHRISTOPHER MCKEE
DATE

NOT FOR CONSTRUCTION

NO.:	REVISION:	DATE:

PROJECT:
PUBLIC STORAGE COVINA
1330 E. CYPRESS STREET
COVINA, CA 91724

DRAWING NAME:
EXISTING HYDROLOGY MAP

ISSUE:	HYDROLOGY
DATE:	2021-07-27
CHECKED: CM	DRAWN: NS
DRAWING FILE:	21918EXHM
PROJECT NO.:	21-918
SHEET NUMBER:	1
OF	1 SHEETS
SCALE:	AS SHOWN

FILENAME: M:\2021\21-918 Public Storage Covina 1330 Cypress\HM\3 - Existing Hydrology\21-918 PS Covina_HM-EX.dwg, LAST SAVED ON: Jul 27 2021 6:29pm, PLOTTED BY: NICHOLAS, ON: Jul 27 2021 6:29pm

Peak Flow Hydrologic Analysis

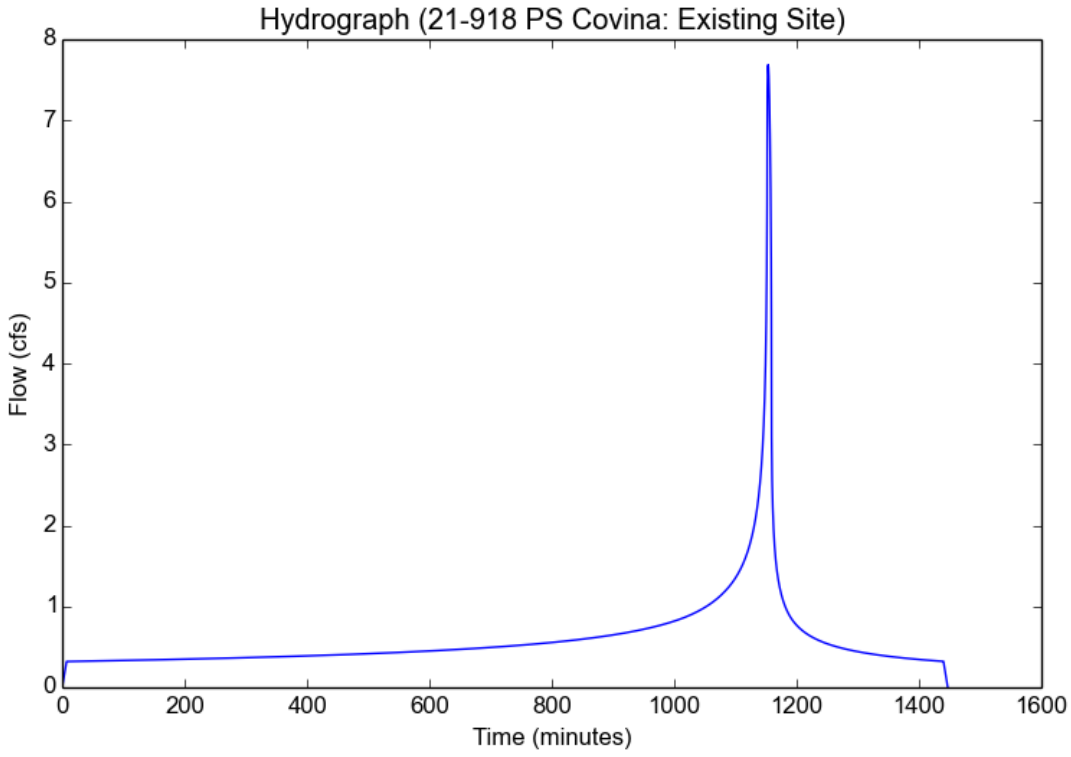
File location: M:/2021/21-918 Public Storage Covina 1330 Cypress/HM/3 - Existing Hydrology/21-918 PS Covina - Existing Site.pdf
Version: HydroCalc 1.0.2

Input Parameters

Project Name	21-918 PS Covina
Subarea ID	Existing Site
Area (ac)	2.7
Flow Path Length (ft)	640.0
Flow Path Slope (vft/hft)	0.0175
50-yr Rainfall Depth (in)	7.1
Percent Impervious	0.948
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

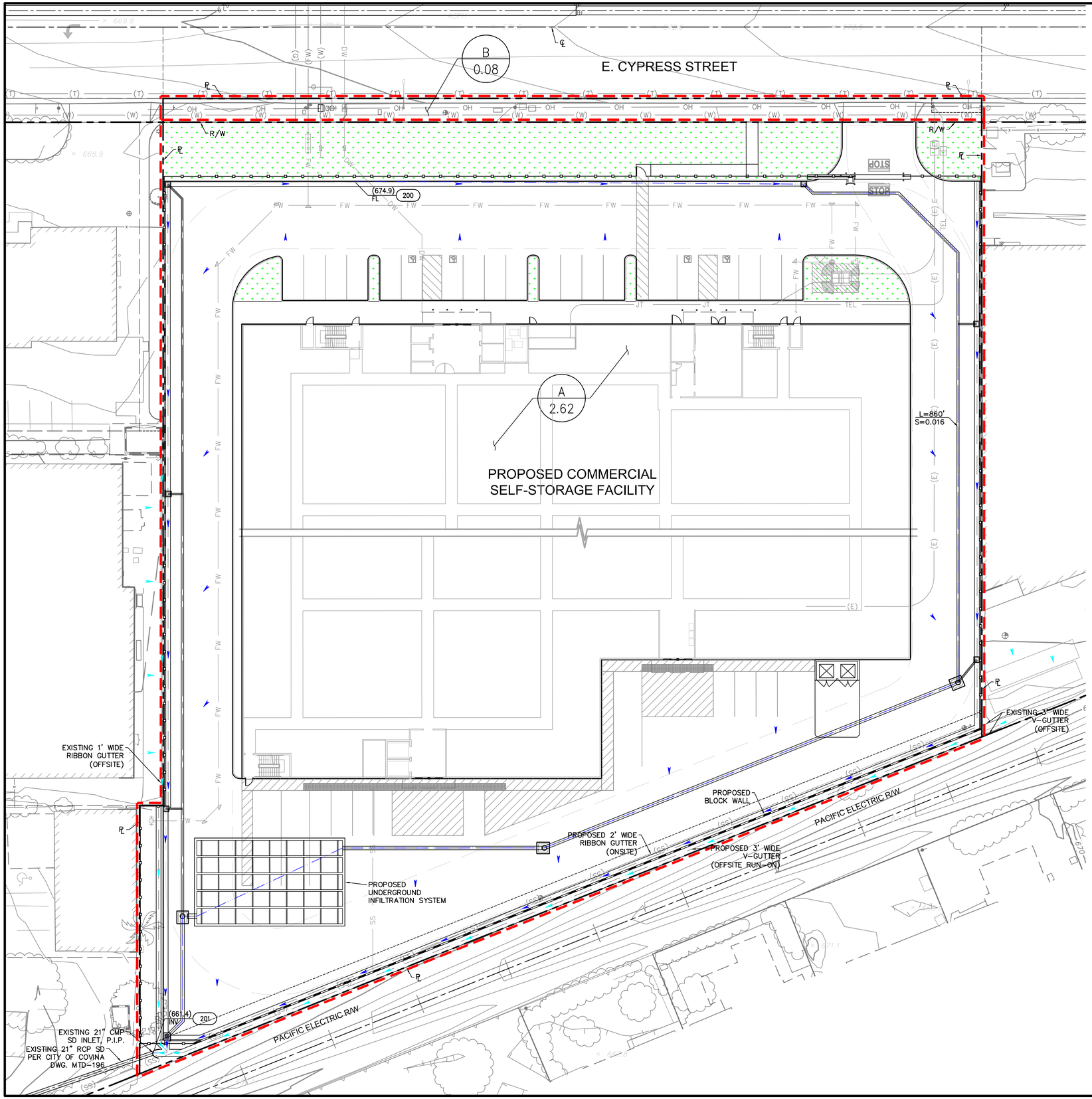
Output Results

Modeled (25-yr) Rainfall Depth (in)	6.2338
Peak Intensity (in/hr)	3.1752
Undeveloped Runoff Coefficient (Cu)	0.8346
Developed Runoff Coefficient (Cd)	0.8966
Time of Concentration (min)	7.0
Clear Peak Flow Rate (cfs)	7.6867
Burned Peak Flow Rate (cfs)	7.6867
24-Hr Clear Runoff Volume (ac-ft)	1.2028
24-Hr Clear Runoff Volume (cu-ft)	52394.7711



SECTION 4.0

Proposed Hydrology Map
Proposed 25-year HydroCalc Calculations



PROPOSED SITE INFO:

PROJECT AREA: 2.70 ACRES (TOTAL PARCEL AREA)

POST-DEVELOPMENT
IMPERVIOUS AREA: 2.50 ACRES
PERVIOUS AREA: 0.20 ACRES

LEGEND

- A / 2.62 — SUBAREA DESIGNATION / SUBAREA IN ACRES
- 100 — NODE NUMBER
- PERVIOUS AREA
- RUNOFF FLOW
- OFFSITE RUNOFF FLOW
- SUBAREA BOUNDARY
- FLOWPATH

20' 0' 20' 40' 60'
GRAPHIC SCALE: 1"=20'

160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

DRC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning

R.C.E. 74414
CHRISTOPHER MCKEE

DATE

NOT FOR CONSTRUCTION

NO.:	REVISION:	DATE:

PROJECT: PUBLIC STORAGE COVINA
1330 E. CYPRESS STREET
COVINA, CA 91724

DRAWING NAME: PROPOSED HYDROLOGY MAP

ISSUE:	HYDROLOGY
DATE:	2021-07-27
CHECKED: CM	DRAWN: NS
DRAWING FILE:	21918PRHM
PROJECT NO.:	21-918
SHEET NUMBER:	1
OF	1 SHEETS
SCALE:	AS SHOWN

FILENAME: M:\2021\21-918 Public Storage Covina 1330 Cypress\HM\4 - Proposed Hydrology\21-918 PS Covina_HM-PR.dwg, LAST SAVED ON: Jul 27 2021 6:56pm PLOTTED BY: NICHOLAS, ON: Jul 27 2021 6:59pm, CFG:

Peak Flow Hydrologic Analysis

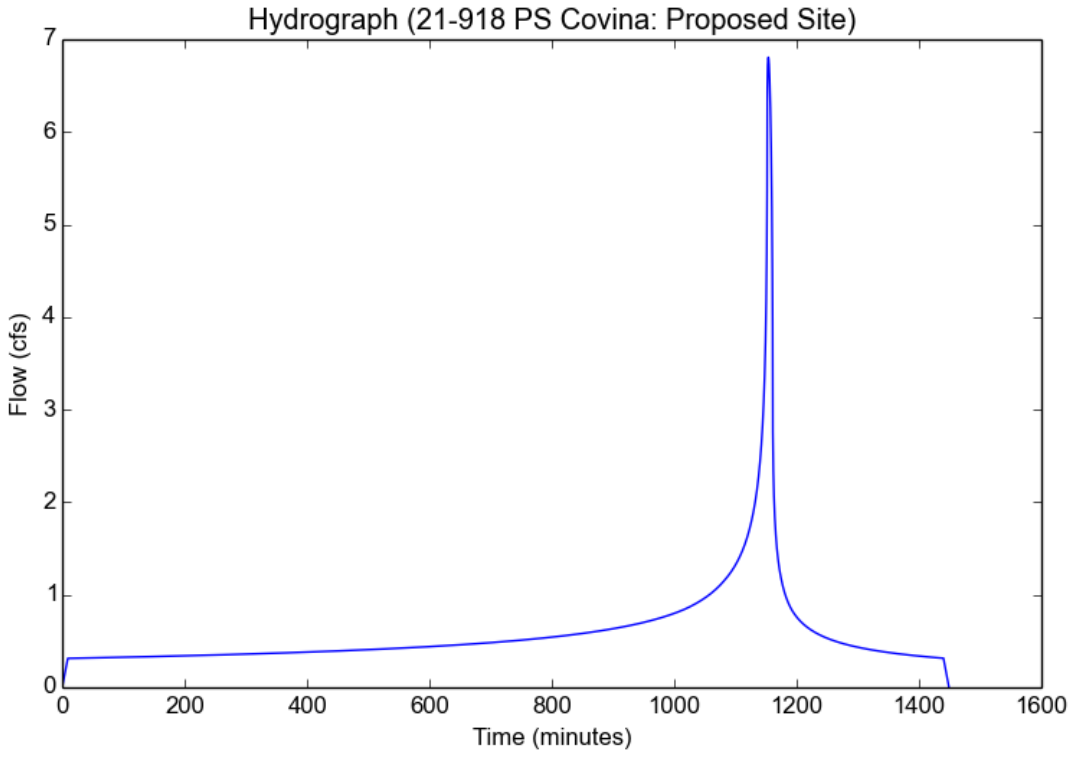
File location: M:/2021/21-918 Public Storage Covina 1330 Cypress/HM/4 - Proposed Hydrology/21-918 PS Covina - Proposed Site.pdf
Version: HydroCalc 1.0.2

Input Parameters

Project Name	21-918 PS Covina
Subarea ID	Proposed Site
Area (ac)	2.7
Flow Path Length (ft)	860.0
Flow Path Slope (vft/hft)	0.0157
50-yr Rainfall Depth (in)	7.1
Percent Impervious	0.927
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	6.2338
Peak Intensity (in/hr)	2.8215
Undeveloped Runoff Coefficient (Cu)	0.8097
Developed Runoff Coefficient (Cd)	0.8934
Time of Concentration (min)	9.0
Clear Peak Flow Rate (cfs)	6.806
Burned Peak Flow Rate (cfs)	6.806
24-Hr Clear Runoff Volume (ac-ft)	1.1829
24-Hr Clear Runoff Volume (cu-ft)	51528.9893



PRELIMINARY LOW IMPACT DEVELOPMENT (LID) PLAN

For:

Public Storage - Covina

Project Site Location/Address:

1330 E. Cypress Street
Covina, CA 91724

Prepared for:

Public Storage
701 Western Avenue
Glendale, CA 91201
Contact: Andres Friedman
Tel: (818) 244-8080

Lead Agency:

City of Covina
125 E. College Street
Covina, CA 91723

Prepared by:

DRC Engineering Inc.
160 South Old Springs Road #210
Anaheim Hills, CA 92808
Tel: (714) 685-6860 x356
Contact: Chrisopher McKee, P.E.

Prepared on: June 1, 2021
Revised on: □□□□□

DRC Project No. 21-918

Project Owner's Certification

I certify under penalty of law that this document and all attachments were prepared under my jurisdiction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or person who manage the system or those persons directly responsible for gathered the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner's Name:	Andres Friedman		
Owner's Title:	VP Development, Real Estate Group		
Company:	Public Storage		
Address:	701 Western Avenue Glendale, CA 91201		
Email:	afriedman@publicstorage.com		
Telephone No:	(818) 244-8080		
Signature:		Date:	

Preparer (Engineer) Certification

Engineer's Name:	Christopher McKee, P.E.		
Engineer's Title:	Project Manager		
Company:	DRC Engineering Inc.		
Address:	160 South Old Springs Road #210 Anaheim Hills, CA 92808		
Email:	cmckee@drc-eng.com		
Telephone No:	(714) 685-6860 x356		
I hereby certify that this Low Impact Development Plan is in compliance with, and meets the requirements set forth in, Order No. R4-2012-0175, of the Los Angeles Regional Water Quality Control Board.			
Engineer's Signature:		Date:	
Place Stamp Here:			

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Appendix A Location Maps and LID Exhibit A-1

Appendix B Master Covenant and Agreement B-1

Appendix C Educational Materials C-1

After the Storm – A Citizen's Guide to Understanding Stormwater

Protecting Water Quality from Urban Runoff

Preventing Pollution through Efficient Use

Gardening Tips

Pesticide Tips

Recycling Tips

County of Los Angeles LID Fact Sheets

Appendix D LID Calculations, Hydrology Maps, Geotechnical Report D-1

Appendix E Design Drawings and Details E-1

Appendix F Operation and Maintenance (O&M) Plan F-1

Section 1.0 Discretionary Permit(s) and Water Quality Conditions

1.1 Introduction

In accordance with the General Permit issued under the National Pollutant Discharge Elimination System (NPDES) and the municipal storm water NPDES Permit No. CAS004001 issued to Los Angeles County and 84 cities (Permittees) by the Los Angeles Regional Water Quality Control Board on December 13, 2001 under Order No. 01-182, this Low Impact Development has been developed to meet the objectives listed below. All pollutants and their sources, including sources of sediment associated with construction, construction site erosion and all other activities associated with construction activity are controlled.

- Identify pollutant sources that could affect the quality of storm water discharges.
- Identify non-storm water discharges.
- Identify, construct, and implement Best Management Practices (BMPs) to reduce pollutants in storm water discharges from the site after construction.
- Develop a maintenance schedule for BMPs designed to reduce or eliminate pollutants after construction is completed (post-construction BMPs).

On November 8, 2012, the Regional Water Board adopted Order No. R4-2012-0175 (2012 MS4 Permit), which replaced the 2001 MS4 Permit. The most significant difference between the two MS4 permits is that the 2012 MS4 Permit requires new development and redevelopment projects in general, to retain, on-site, a specified volume of stormwater runoff (the Stormwater Quality Design Volume [SWQDv]) from a design storm event.

Preparation of this Low Impact Development (LID) is required by the City of Covina and shall comply with the Los Angeles County Storm Water Program supplementing the Low Impact Development (LID) and the Report of Waste Discharge (ROWD) adopted by the County of Los Angeles. The Los Angeles County Storm Water Program, LID, and ROWD are part of a countywide storm water pollution control effort adopted to comply with the National Pollution Discharge Elimination System (NPDES) General Permit adopted by the California State Water Resources Control Board.

The objective of this LID is to identify pollutant sources associated with business operations that may affect the quality of discharges of storm water from the site and to specify storm water pollution prevention measures to reduce potential pollutant discharges. These prevention measures are referred to as Best Management Practices or BMPs. Non-structural BMPs include such practices as spill prevention, outdoor loading/unloading, waste handling and disposal, and drainage system maintenance. Structural BMPs may include underground infiltration basins, vortex separators, proprietary control measures, and similar mechanisms as deemed appropriate.

Section 2.0 Project Description

2.1 Project Information

Owner:	Public Storage
Site Address:	1330 E. Cypress Street
	Covina, CA 91724
Project Area:	2.70 acres (Total Disturbed Area □ 2.70 acres)
Proposed Use:	Commercial self storage facility
SIC Codes:	4225 - Commercial general storage
MS4 Project Type:	Warehouse-Industrial

2.2 Location

The proposed project (Public Storage - Covina) is located in Covina, CA, at 1330 E. Cypress Street. The project site is located in the city of Covina, county of Los Angeles, state of California as shown on the location map in Appendix B. The project is located at latitude 34□5'43.02"N and longitude -117□51'45.67"W, as identified on the Vicinity Map in Appendix A.

2.3 Site Plan

The existing site consists of 2.70 acres of an existing developed 2-story electronics manufacturing building and office. The entire site generally drains south and confluences to an existing 21" CMP drain owned maintained by the City of Covina at the southwest corner of the site. The existing site is approximately 5.2□ pervious and 94.8□ impervious.

The proposed site will redevelop the existing site into a 3-story and basement self-storage facility with rental office. On-site improvements include paved areas, walkways and landscaping. The proposed project will generally drain in the same manner as the existing condition and will connect to the existing 21" storm drain at the southwest corner of the site. The proposed site is approximately 7.3□ pervious and 92.7□ impervious (not including the proposed underground infiltration area).

The combination of good housekeeping, spill prevention, sweeping of parking area, and implementation of underground infiltration systems can prevent the wastes generated on the project site from being discharged offsite in stormwater runoff. Non-hazardous solid wastes generated from the site can be disposed in the trash. The ordinary wastes will be picked up by local waste management company on a weekly basis and hazardous waste will be disposed of by a licensed hazardous waste hauler.

Per *Los Angeles County LID Manual* dated February 2014, a screen or wall around trash storage area should be installed to prevent off-site transport of loose trash and waterproof lids on bins/dumpsters should be used or a roof to cover storage area enclosure should be provided to prevent precipitation from entering containers. As for drainage, *Los Angeles County LID Manual* specified that the waste handling area should be graded to prevent stormwater run-on. Per the *County of Los Angeles Department of Public Works Low Impact*

Development Manual, activities on-site will be in conformance with this LID and the city of Covina zoning ordinances and standards.

Section GS200.1 of County of Los Angeles Administrative Manual, dated December 2014, outlines the site requirements for stormwater infiltration, including that the invert of stormwater infiltration shall be at least 10 feet above the groundwater elevation.

The filed percolation testing performed by the geotechnical engineer was in general conformance with the Borehole Percolation Test Procedure outlined in the Guidelines for Design, Investigation and Reporting Low Impact Development Stormwater Infiltration (Section GS200.1 of County of Los Angeles Administrative Manual, December 2014).

The stencil approved by County of Los Angeles will be installed at the proposed inlets. An example of the approved stencil is included with the County of Los Angeles LID Fact Sheets for S-1 in Appendix C.

Refer to Section 5.0 of this LID report for entities that will be responsible for implementing each BMP.

Section 3.0 Site Description

3.1 Watershed

San Gabriel River Watershed

3.2 Site Information

Site Address:	1330 E. Cypress Street Covina, CA 91724
Existing Land Use:	Industrial - Electronics Manufracturing
Proposed Land Use:	Commercial - Self Storage Facility
Soil Type(s):	006
Hydrologic Concerns:	No
Receiving Waters:	Charter Oak Creek, Walnut Creek Channel, San Gabriel River Reach 2, San Gabriel River Reach 1, San Gabriel River Estuary, Pacific Ocean

3.3 Drainage Pattern

The project site is located within the San Grabriel River Watershed. The receiving waters are Charter Oak Creek, Walnut Creek Channel, San Gabriel River Reach 2, San Gabriel River Reach 1, San Gabriel River Estuary, and ultimately the Pacific Ocean.

3.3.1 Existing Condition

The existing site is fully paved and developed. Building roof drains and onsite private storm drains drain stormwater towards the southwest corner of the property to an existing 21" CMP inlet owned and maintained by the City of Covina.

Offsite run-on from the adjacent property to the east traverses the site via an existing concrete V-gutter flowing along the southern property line. The V-gutter drains to the existing 21" CMP inlet and confluences with the onsite drainage. Offsite run-on from the adjacent property to the west drains south via a concrete ribbon gutter along the west property line. The ribbon gutter drains to the existing 21" CMP inlet and confluences with the onsite drainage.

From the 21" CMP inlet, stormwater is conveyed via pipe flow through a 21" RCP storm drain parallel to the Pacific Electric R/W, owned and maintained by the City of Covina. The 21" RCP storm drain flows west and connects to a 42" RCP storm drain on Glendora Ave, where it connects to further LA County Flood Control facilities downstream and joins with the aforementioned receiving waters.

3.3.2 Proposed Condition

The proposed site will generally match the existing drainage conditions. The private onsite storm drain system will drain to a proposed underground infiltration basin. High flows will bypass the system and will overflow into the existing 21" RCP. The proposed infiltration chambers are designed to retain the entire SWQDv and will attenuate peak flows.

Offsite run-on from the adjacent properties east and west of the site will be maintained. The existing V-gutter along the south property line will be improved and will maintain the same drainage pattern, and the existing ribbon gutter along the south properly line will be improved, and will continue to drain to the 21" RCP storm drain.

Refer to the LID Exhibit in Appendix A for drainage patterns and calculations in Appendix D for more details.

3.4 Pollutants of Concern

3.4.1 Anticipated Pollutants

The proposed land use for the site is commercial. Anticipated pollutants associated with this development include suspended solids, total phosphorus, total nitrogen, total Kjeldahl nitrogen, total copper, total lead, and total zinc.

3.4.2 303(d) List of Water Quality Limited Segments

The project drains into San Jose Creek Reach 1, San Gabriel River Reach 3, San Gabriel River Reach 2, San Gabriel River Reach 1, San Gabriel River Estuary and Pacific Ocean.

303(d) List and TMDL

The following receiving waters are impaired and the 303d listed impairments are listed below.

- Walnut Creek Wash: pH, Toxicity
- San Gabriel River Reach 2 (Firestone to Whittier Narrows Dam): Coliform Bacteria, Lead
- San Gabriel River Reach 1 (Estuary to Firestone): Coliform Bacteria, pH
- San Gabriel River Estuary: Copper

3.5 Hydrologic Conditions of Concern

Downstream stormwater facilities are improved/engineered. Additionally, the proposed site increases the site pervious area compared to the existing condition. The proposed infiltration chambers will attenuate peak flows and the anticipated peak flows will be less than the existing condition. Therefore, hydromodification controls are not required for this site.

Section 4.0 Best Management Practices (BMPs)

4.1 Source Control BMPs

The following tables show source control BMPs included in this project and those that were not included.

Source Control BMPs

BMP	Name	Included		If not applicable, state brief reason
		Yes	No	
S-1	Storm Drain Message and Signage	□		
S-2	Outdoor Material Storage Area		□	No outdoor material storage area proposed.
S-3	Outdoor Trash Storage / Waste Handling Area	□		
S-4	Outdoor Loading / Unloading Dock Area		□	No outdoor loading/unloading dock areas proposed.
S-5	Outdoor Vehicle / Equipment Repair / Maintenance Area		□	No repair or maintenance area proposed.
S-6	Outdoor Vehicle / Equipment Accessory Wash Area		□	No wash area proposed.
S-7	Fuel & Maintenance Area		□	No fuel and maintenance area proposed.
S-8	Landscape Irrigation Practices	□		
S-9	Building Materials Selection	□		
S-10	Animal Care and Handling Facilities		□	Does not apply to this site.
S-11	Outdoor Horticulture Areas		□	Does not apply to this site.

- S-1 Storm Drain Messaged and Signage

  Phrase “No Dumping – Flows to Ocean” or equally effective phrase, as approved by the NPDES General Committee, is to be stenciled on catch basins to alert the public as to the destination of pollutants discharged into storm drains. See Appendix C of this document for more details. Refer to *California Stormwater BMP Handbook*, BMP SD-13 fact sheets for more details.

- S-3 Outdoor Trash Storage/Waste Handling Area

  Trash storage areas are areas where a trash receptacle(s) are located for use as a repository for solid wastes. Stormwater runoff from areas where trash is stored or disposed of can be polluted. In addition, loose trash and debris can be easily transported by water or wind into nearby storm drain inlets, channels, and/or creeks. Waste handling operation that may be sources of stormwater pollution include dumpsters, litter control, and waste piles. See Appendix C of this document for more details. Refer to *California Stormwater BMP Handbook*, BMP SD-32 fact sheets for more details.

- S-8 Landscape Irrigation Practices

  The irrigation system for the proposed landscape areas will be designed to minimize runoff of excess irrigation water by providing reducers or shutoff valves, using timing and application methods, using mulches in planter areas, selecting and grouping appropriate plant materials. See Appendix C of this document for more details. Refer to *California Stormwater BMP Handbook*, BMP SD-12 fact sheet for more details.

- S-8 Building Materials Selection

  Promote the use of less harmful products and products that contain little or no TMDL pollutants. See Appendix C of this document for more details. Refer to *California Stormwater BMP Handbook*, BMP SC-35 and SD-21 fact sheets for more details.

4.2 Site Design BMPs

The following table shows site design BMPs that are included, if any, in this project. A description of each BMP to be included follows:

Site Design BMPs

Technique	Included?		Reason for Not Being Implemented
	Yes	No	
Site Planning	☐		
Protect and Restore Natural Areas		☐	No natural areas to protect or restore.
Minimize Land Disturbance	☐		
Minimize Impervious Area	☐		

- Site Planning

  Project applicants must implement a holistic approach to site design in order to develop a more hydraulically-functional site, help to maximize the effectiveness of on-site retention, and integrate stormwater management throughout the project site. Early project site planning can identify physical site constraints, reduce costs of downstream stormwater quality control measures, and prevent potential project site re-design. Distribute, if feasible, stormwater quality control measures throughout the project site.

- Minimize Land Disturbance

  Siting buildings and impervious surfaces away from steep slopes, drainageways, and floodplains limits the amount of grading and cleaning necessary and reduces the hydrologic impact. Native soils may contain organic material and soil biota that are ideal for on-site retention of stormwater runoff. Clearing, grading, and heavy equipment can remove and compact native soils and reduce soil infiltration capacity.

- Minimize Impervious Area

  Landscaped areas are proposed throughout the project site to minimize impervious area.

4.3 Stormwater Quality Control BMPs

The following table shows stormwater quality control BMPs that are included in this project.

BMP	Name	Included?		If not applicable, state brief reason
		Yes	No	
RET-1	Bioretention		□	
RET-2	Infiltration Basin		□	Infiltration trench implemented instead
RET-3	Infiltration Trench	□		
RET-4	Dry Well		□	Infiltration trench implemented instead
RET-5	Permeable pavement without an Underdrain		□	Infiltration trench implemented instead
RET-6	Rain Barrel / Cistern		□	Infiltration trench implemented instead
BIO-1	Biofiltration		□	Not necessary since infiltration trench addresses 100□ of SWQDv.
VEG-1	Green Roof		□	Not necessary since infiltration trench addresses 100□ of SWQDv.
VEG-2	Stormwater Planter		□	Not necessary since infiltration trench addresses 100□ of SWQDv.
VEG-3	Tree-well Filter		□	Not necessary since infiltration trench addresses 100□ of SWQDv.
VEG-4	Vegetated Swales		□	Not necessary since infiltration trench addresses 100□ of SWQDv.
VEG-5	Vegetated Filter Strip		□	Not necessary since infiltration trench addresses 100□ of SWQDv.
T-1	Sand Filter		□	Not necessary since infiltration trench addresses 100□ of SWQDv.
T-2	Constructed Wetland		□	Not necessary since infiltration trench addresses 100□ of SWQDv.
T-3	Extended Detention Basin		□	Not necessary since infiltration trench addresses 100□ of SWQDv.
T-4	Wet Pond		□	Not necessary since infiltration trench addresses 100□ of SWQDv.
T-5	Permeable Pavement with an Underdrain		□	Not necessary since infiltration trench addresses 100□ of SWQDv.
T-6	Proprietary Treatment Control Measures		□	Not necessary since infiltration trench addresses 100□ of SWQDv.

- RET-3 Infiltration Trench

  An infiltration trench is a narrow trench constructed in naturally pervious soils designed for retaining and infiltrating stormwater runoff into the underlying native soils and groundwater table. Infiltration vaults and infiltration leach fields are subsurface variations of the infiltration trench concept. The project site will feature subsurface infiltration chambers that will retain and infiltrate the entire SWQDv within 96 hours. See Appendix C for more information.

Section 5.0 Inspection/Maintenance Responsibility for BMPs

5.1 Responsible Parties

The following entity is responsible for the implementation of this LID for the onsite areas, including the long-term inspection and maintenance of all structural source control BMPs and all treatment control BMPs:

Entity:	Public Storage
Address:	701 Western Avenue, Glendale, CA, 91201
Telephone:	(818) 244-8080

The owner may employ property managers to assist in implementing, monitoring and reporting the BMPs outlined in this LID for operating facilities to ensure compliance with the provisions of LID including storm water control permitting requirements for new developments. See Appendix B for the Master Covenant and Agreement.

5.2 Reporting

5.2.1 Inspection Records

The owner of the property shall be responsible for completing and maintaining inspection reports that include the date of the inspection, the name of the person who performed the inspection, the observations made, and any actions taken. Records shall be maintained for five years. The records shall be available for inspection upon request of the city engineer, Regional Water Control Board, or the designated city representative.

See the BMP Maintenance Responsibility/Frequency Matrix in this section for details on the party responsible for each BMP and the frequency of action with respect to that BMP.

5.2.2 Maintenance Requirements

Maintenance and cleaning of the proprietary treatment control BMPs shall be in accordance with the manufacturer's recommendations. At a minimum, the proprietary treatment control BMPs shall be inspected and maintained once prior to the rainy season, once during the rainy season, and once after the rainy season (generally accepted as October 1st through April 30th). All BMPs shall be inspected and maintained according to the Maintenance Responsibility/Frequency Matrix below.

POST CONSTRUCTION BMPS ***MAINTENANCE RESPONSIBILITY/FREQUENCY MATRIX***			
BMP	**TITLE**	**INSPECTION FREQUENCY (ALL CONTROLS)**	**MAINTENANCE / REPAIR PROGRAM**
S-1	Storm Drain Message and Signage	Inspect for legibility a minimum of once per year.	Responsible Party: Public Storage Re-label/re-stencil as needed to clearly depict signage. Refer to *LA County LID Manual* S-1 and CASQA BMP SD-13 for additional information.
S-3	Outdoor Trash Storage and Waste Handling Area	Periodically	Responsible Party: Public Storage Structural elements that are subject to damage (e.g., screens, covers, signs) must be maintained as required by local codes and ordinances. Outdoor trash storage and waste handling areas must be checked periodically to ensure containment of accumulated water and prevention of stormwater run-on. Maintenance agreements between LACDPW and the owner/operator may be required. Refer to *Los Angeles County LID Manual* S-3 and CASQA BMP SD-32 for additional information.
S-8	Landscape Irrigation Practices	Inspect irrigation equipment on a monthly basis for proper operation. Check water sensors, irrigation heads, and timing.	Responsible Party: Public Storage Adjust irrigation heads and timers as necessary Repair or replace damaged irrigation equipment and make other repairs or adjustments as necessary. Landscape maintenance will be conducted on a weekly basis. Refer to *Los Angeles County LID Manual* S-8 and CASQA BMP SD-12 for additional information.

POST CONSTRUCTION BMPS ***MAINTENANCE RESPONSIBILITY/FREQUENCY MATRIX***			
BMP	**TITLE**	**INSPECTION FREQUENCY (ALL CONTROLS)**	**MAINTENANCE / REPAIR PROGRAM**
S-9	Building Materials Selection	Ongoing/daily management of operation	Responsible Party: Public Storage Use safer alternative products when possible and practicable. See *Los Angeles County LID Manual* S-9 and CASQA BMP SC-35 and SD-21 for additional information.
RET-3	Infiltration Trench (underground vault)	Isolator Row: Inspect every 6 months during the first year of operation. Adjust the inspection interval based on previous observations of sediment accumulation and high water elevations. Conduct jetting and vactoring annually or when inspection shows that maintenance is necessary.	Responsible Party: Public Storage Maintenance Required: Inspect Isolator Row Plus for Sediement Clean out Isolator Row Plus Using the jetvac process Replace all covers, grates, filters, and lids; record observation and actions Inspect and clean basins and manholes upstream of the StormTech system Refer to *Los Angeles County LID Manual* RET-2 and CASQA BMP TC-10 for additional information.

5.2.3 Revisions to the LID

Revisions to the LID in the event of a substantial change to the project due to construction modifications or uses at the site will be the responsibility of Public Storage. Modifications to the LID may be necessary if project changes result in a potential increase in pollutant discharge to storm water or if inspection and monitoring indicates that existing BMPs are ineffective. Public Storage shall secure the services of the firm that prepared the original LID or other qualified persons to make any appropriate changes, additions or deletions. Any revisions shall require approval by the local government that has jurisdiction over the subject property.

Section 6.0 Funding

6.1 Funding

The property owner will be responsible for the funding of post construction BMPs and proposed annual operating budget:

Public Storage
701 Western Avenue
Glendale, CA 91201

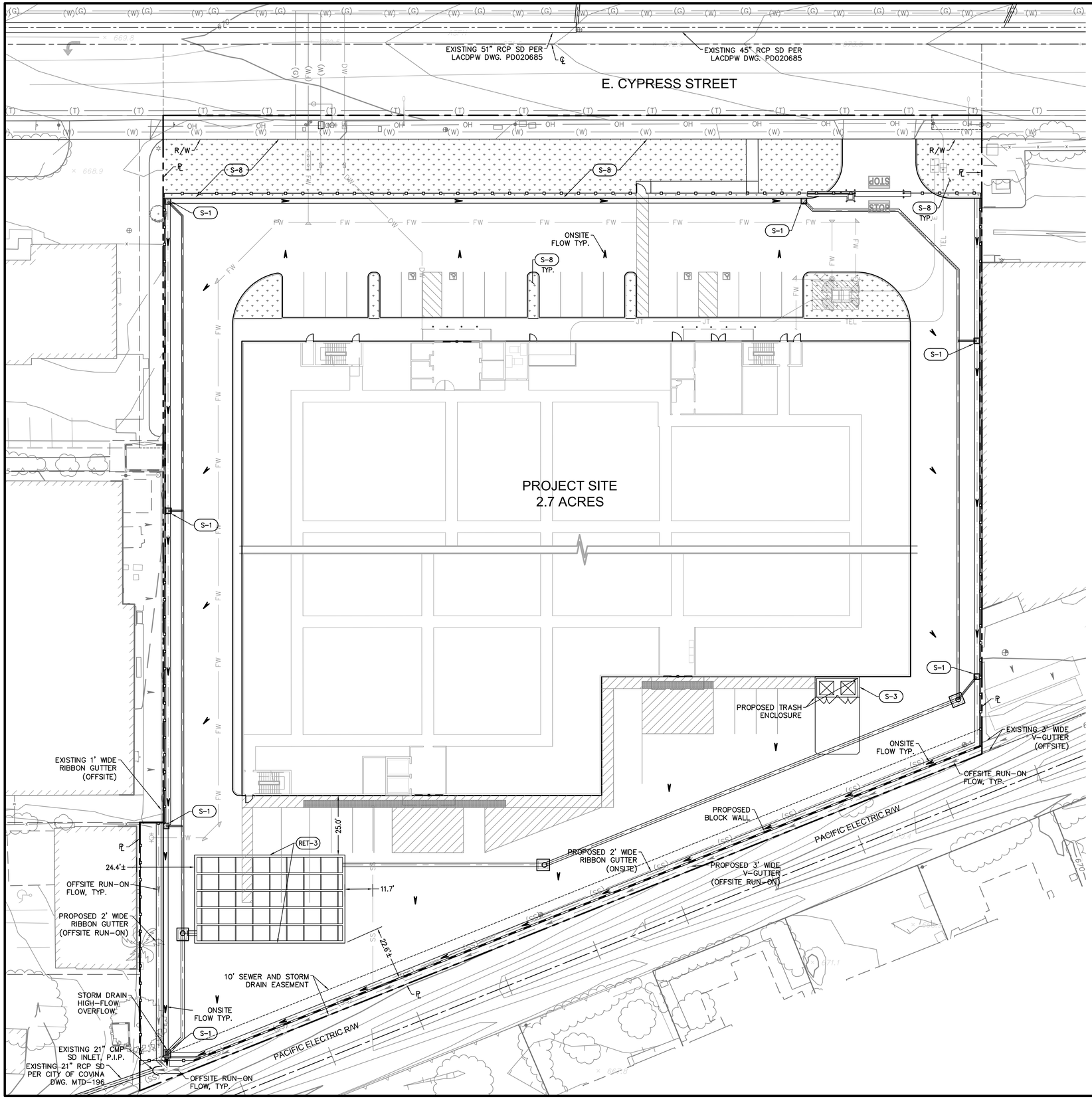
Andres Friedman VP Development, Real Estate Group (818) 244-8080

Annual budget for BMP maintenance is to be determined. A copy of annual budget for Public Storage - Covina will be included in this section once available.

Appendix A Location Map and LID Exhibit

Figure A-1: Location Map





SOURCE CONTROL BMPs:

- S-1 STORM DRAIN MESSAGE AND SIGNAGE PER CASQA BMP SD-13.
- S-3 OUTDOOR TRASH STORAGE/WASTE HANDLING AREA PER CASQA BMP SD-32.
- S-8 LANDSCAPE IRRIGATION PRACTICES PER CASQA BMP SD-12.

STRUCTURAL BMPs:

- RET-3 PROPOSED STORMTECH MC-3500 INFILTRATION BASIN (34°5'41.29"N; 117°51'47.03"W)

SUSMP NOTES:

PROJECT AREA: 2.70 ACRES

PRE-DEVELOPMENT
IMPERVIOUS AREA: 2.56 ACRES
PERVIOUS AREA: 0.14 ACRES

POST-DEVELOPMENT
IMPERVIOUS AREA: 2.50 ACRES
PERVIOUS AREA: 0.20 ACRES

160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

DRC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning

R.C.E. 74414
CHRISTOPHER MCKEE
DATE

NOT FOR CONSTRUCTION

NO:	REVISION:	DATE:

PROJECT: **PUBLIC STORAGE COVINA**
1330 E. CYPRESS STREET
COVINA, CA 91724

DRAWING NAME: **LID SITE PLAN**

ISSUE:	CONCEPTUAL
DATE:	2021-07-16
CHECKED: CM	DRAWN: NS
DRAWING FILE:	21918CU01
PROJECT NO.:	21-918
SHEET NUMBER:	1
OF	1 SHEETS
SCALE:	AS SHOWN

FILENAME: M:\2021\21-918 Public Storage Covina 1330 Cypress\LID\Appendix A - Map & LID Exhibit\21-918 PS Covina_BMP.dwg, LAST SAVED ON: Jul 27 2021 3:30pm PLOTTED BY: NICHOLAS, ON: Jul 27 2021 3:32pm, CFG:

Appendix B Master Covenant and Agreement

RECORDING REQUESTED BY
AND MAIL TO:

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUILDING AND SAFETY DIVISION
900 S. FREMONT AVENUE, 3RD FLOOR
ALHAMBRA, CA 91803-1331

Space above this line is for Recorder's use

COVENANT AND AGREEMENT
REGARDING THE MAINTENANCE OF LOW IMPACT DEVELOPMENT (LID) & NATIONAL POLLUTANTS DISCHARGE ELIMINATION SYSTEM (NPDES) BMPs

The undersigned, _____ ("Owner"), hereby certifies that it owns the real property described as follows ("Subject Property"), located in the County of Los Angeles, State of California:

LEGAL DESCRIPTION

ASSESSOR'S ID #_____TRACT NO._____LOT NO._____

ADDRESS: _____

_____

Owner is aware of the requirements of the County of Los Angeles' Green Building Standards Code, Title 31, Section 4.106.4 (LID), and National Pollutant Discharge Elimination System (NPDES) permit. The following post-construction BMP features have been installed on the Subject Property:

- □ Porous pavement
- □ Cistern/rain barrel
- □ Infiltration trench/pit
- □ Bioretention or biofiltration
- □ Rain garden/planter box
- □ Disconnect impervious surfaces
- □ Dry Well
- □ Storage containers
- □ Landscaping and landscape irrigation
- □ Green roof
- □ Other _____

_____

The location, including GPS x-y coordinates, and type of each post-construction BMP feature installed on the Subject Property is identified on the site diagram attached hereto as Exhibit 1.

Owner hereby covenants and agrees to maintain the above-described post-construction BMP features in a good and operable condition at all times, and in accordance with the LID/NPDES Maintenance Guidelines, attached hereto as Exhibit 2.

Owner further covenants and agrees that the above-described post-construction BMP features shall not be removed from the Subject Property unless and until they have been replaced with other post-construction BMP features in accordance with County of Los Angeles' Green Building Standards Code, Title 31 and NPDES permit.

Owner further covenants and agrees that if Owner hereafter sells the Subject Property, Owner shall provide printed educational materials to the buyer regarding the post-construction BMP features that are located on the Subject Property, including the type(s) and location(s) of all such features, and instructions for properly maintaining all such features.

Owner makes this Covenant and Agreement on behalf of itself and its successors and assigns. This Covenant and Agreement shall run with the Subject Property and shall be binding upon owner, future owners, and their heirs, successors and assignees, and shall continue in effect until the release of this Covenant and Agreement by the County of Los Angeles, in its sole discretion.

Owner(s):

By:_____ Date:_____

By:_____ Date:_____

(PLEASE ATTACH NOTARY)

REFERENCE

PLAN CHECK NO.: _____ DISTRICT OFFICE NO.:_____

ATTACHMENTS

(Documents to be inserted in final report.)

Appendix C Educational Materials

The following is a list of the educational materials that pertain to this project and are included in this appendix:

- After the Storm – A Citizen's Guide to Understanding Stormwater
- Protecting Water Quality from Urban Runoff
- Preventing Pollution through Efficient Water Use
- Gardening Tips
- Pesticide Tips
- Recycling Tips
- County of Los Angeles LID Fact Sheets
  - S-1 – Storm Drain Message and Signage
  - S-3 – Outdoor Trash Storage and Waste Handling Area
  - S-8 – Landscape Irrigation Practices
  - S-9 – Building Material Selection
  - RET-3 – Infiltration Trench

AFTER THE STORM – A CITIZEN'S GUIDE TO UNDERSTANDING STORMWATER

After the Storm



A Citizen's Guide to Understanding Stormwater

WHEN IT RAINS IT DRAINS

What is stormwater runoff?



Stormwater runoff occurs when precipitation from rain or snowmelt flows over the ground. Impervious surfaces like driveways, sidewalks, and streets prevent stormwater from naturally soaking into the ground.

Why is stormwater runoff a problem?



Stormwater can pick up debris, chemicals, dirt, and other pollutants and flow into a storm sewer system or directly to a lake, stream, river, wetland, or coastal water. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water.

The effects of pollution



Polluted stormwater runoff can have many adverse effects on plants, fish, animals, and people.

- Sediment can cloud the water and make it difficult or impossible for aquatic plants to grow. Sediment also can destroy aquatic habitats.
- Excess nutrients can cause algae blooms. When algae die, they sink to the bottom and decompose in a process that removes oxygen from the water. Fish and other aquatic organisms can't exist in water with low dissolved oxygen levels.
- Bacteria and other pathogens can wash into swimming areas and create health hazards, often making beach closures necessary.



- Debris—plastic bags, six-pack rings, bottles, and cigarette butts—washed into waterbodies can choke, suffocate, or disable aquatic life like ducks, fish, turtles, and birds.
- Household hazardous wastes like insecticides, pesticides, paint, solvents, used motor oil, and other auto fluids can poison aquatic life. Land animals and people can become sick or die from eating diseased fish and shellfish or ingesting polluted water.
- Polluted stormwater often affects drinking water sources. This, in turn, can affect human health and increase drinking water treatment costs.



Stormwater Pollution Solutions



Residential

Recycle or properly dispose of household products that contain chemicals, such as insecticides, pesticides, paint, solvents, and used motor oil and other auto fluids. Don't pour them onto the ground or into storm drains.

Lawn care



Excess fertilizers and pesticides applied to lawns and gardens wash off and pollute streams. In addition, yard clippings and leaves can wash into storm drains and contribute nutrients and organic matter to streams.

- Don't overwater your lawn. Consider using a soaker hose instead of a sprinkler.
- Use pesticides and fertilizers sparingly. When use is necessary, use these chemicals in the recommended amounts. Use organic mulch or safer pest control methods whenever possible.
- Compost or mulch yard waste. Don't leave it in the street or sweep it into storm drains or streams.
- Cover piles of dirt or mulch being used in landscaping projects.

Auto care



Washing your car and degreasing auto parts at home can send detergents and other contaminants through the storm sewer system. Dumping automotive fluids into storm drains has the same result as dumping the materials directly into a waterbody.

- Use a commercial car wash that treats or recycles its wastewater, or wash your car on your yard so the water infiltrates into the ground.
- Repair leaks and dispose of used auto fluids and batteries at designated drop-off or recycling locations.

Septic systems



Leaking and poorly maintained septic systems release nutrients and pathogens (bacteria and viruses) that can be picked up by stormwater and discharged into nearby waterbodies. Pathogens can cause public health problems and environmental concerns.

- Inspect your system every 3 years and pump your tank as necessary (every 3 to 5 years).
- Don't dispose of household hazardous waste in sinks or toilets.

Pet waste



Pet waste can be a major source of bacteria and excess nutrients in local waters.

- When walking your pet, remember to pick up the waste and dispose of it properly. Flushing pet waste is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local waterbodies.



Education is essential to changing people's behavior. Signs and markers near storm drains warn residents that pollutants entering the drains will be carried untreated into a local waterbody.

Residential landscaping

Permeable Pavement—Traditional concrete and asphalt don't allow water to soak into the ground. Instead these surfaces rely on storm drains to divert unwanted water. Permeable pavement systems allow rain and snowmelt to soak through, decreasing stormwater runoff.



Rain Barrels—You can collect rainwater from rooftops in mosquito-proof containers. The water can be used later on lawn or garden areas.

Rain Gardens and Grassy Swales—Specially designed areas planted with native plants can provide natural places for rainwater to collect and soak into the ground. Rain from rooftop areas or paved areas can be diverted into these areas rather than into storm drains.



Vegetated Filter Strips—Filter strips are areas of native grass or plants created along roadways or streams. They trap the pollutants stormwater picks up as it flows across driveways and streets.



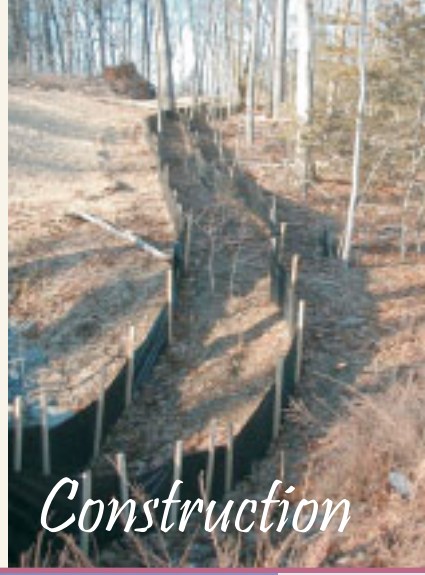
Commercial

Dirt, oil, and debris that collect in parking lots and paved areas can be washed into the storm sewer system and eventually enter local waterbodies.

- Sweep up litter and debris from sidewalks, driveways and parking lots, especially around storm drains.
- Cover grease storage and dumpsters and keep them clean to avoid leaks.
- Report any chemical spill to the local hazardous waste cleanup team. They'll know the best way to keep spills from harming the environment.

Erosion controls that aren't maintained can cause excessive amounts of sediment and debris to be carried into the stormwater system. Construction vehicles can leak fuel, oil, and other harmful fluids that can be picked up by stormwater and deposited into local waterbodies.

- Divert stormwater away from disturbed or exposed areas of the construction site.
- Install silt fences, vehicle mud removal areas, vegetative cover, and other sediment and erosion controls and properly maintain them, especially after rainstorms.
- Prevent soil erosion by minimizing disturbed areas during construction projects, and seed and mulch bare areas as soon as possible.



Construction



Agriculture

Lack of vegetation on streambanks can lead to erosion. Overgrazed pastures can also contribute excessive amounts of sediment to local waterbodies. Excess fertilizers and pesticides can poison aquatic animals and lead to destructive algae blooms. Livestock in streams can contaminate waterways with bacteria, making them unsafe for human contact.



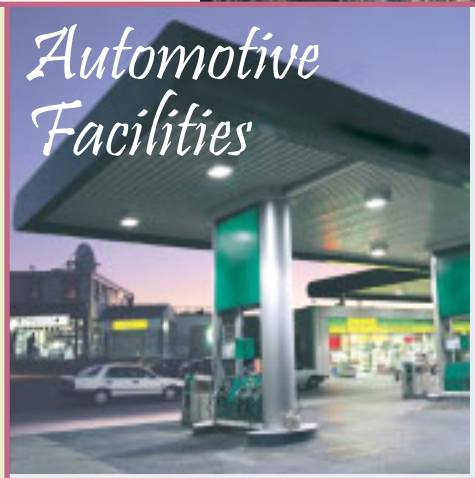
- Keep livestock away from streambanks and provide them a water source away from waterbodies.
- Store and apply manure away from waterbodies and in accordance with a nutrient management plan.
- Vegetate riparian areas along waterways.
- Rotate animal grazing to prevent soil erosion in fields.
- Apply fertilizers and pesticides according to label instructions to save money and minimize pollution.



Forestry

Improperly managed logging operations can result in erosion and sedimentation.

- Conduct preharvest planning to prevent erosion and lower costs.
- Use logging methods and equipment that minimize soil disturbance.
- Plan and design skid trails, yard areas, and truck access roads to minimize stream crossings and avoid disturbing the forest floor.
- Construct stream crossings so that they minimize erosion and physical changes to streams.
- Expedite revegetation of cleared areas.



Automotive Facilities

Uncovered fueling stations allow spills to be washed into storm drains. Cars waiting to be repaired can leak fuel, oil, and other harmful fluids that can be picked up by stormwater.

- Clean up spills immediately and properly dispose of cleanup materials.
- Provide cover over fueling stations and design or retrofit facilities for spill containment.
- Properly maintain fleet vehicles to prevent oil, gas, and other discharges from being washed into local waterbodies.
- Install and maintain oil/water separators.



For more information contact:

or visit
www.epa.gov/npdes/stormwater
www.epa.gov/nps

EPA United States Environmental Protection Agency

THE YEAR OF CLEAN WATER
Celebration & Recommitment

EPA 833-B-03-002

January 2003

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PROTECTING WATER QUALITY FROM URBAN RUNOFF

EPA
United States
Environmental Protection
Agency

EPA 841-F-03-003

Protecting Water Quality *from* URBAN RUNOFF

Clean Water Is Everybody's Business

In urban and suburban areas, much of the land surface is covered by buildings and pavement, which do not allow rain and snowmelt to soak into the ground. Instead, most developed areas rely on storm drains to carry large amounts of runoff from roofs and paved areas to nearby waterways. The stormwater runoff carries pollutants such as oil, dirt, chemicals, and lawn fertilizers directly to streams and rivers, where they seriously harm water quality. To protect surface water quality and groundwater resources, development should be designed and built to minimize increases in runoff.

The most recent National Water Quality Inventory reports that runoff from urbanized areas is the leading source of water quality impairments to surveyed estuaries and the third-largest source of impairments to surveyed lakes.

Did you know that because of impervious surfaces like pavement and rooftops, a typical city block generates more than 5 times more runoff than a woodland area of the same size?

How Urbanized Areas Affect Water Quality

Increased Runoff

The porous and varied terrain of natural landscapes like forests, wetlands, and grasslands traps rainwater and snowmelt and allows them to filter slowly into the ground. In contrast, impervious (nonporous) surfaces like roads, parking lots, and rooftops prevent rain and snowmelt from infiltrating, or soaking, into the ground. Most of the rainfall and snowmelt remains above the surface, where it runs off rapidly in unnaturally large amounts.

Storm sewer systems concentrate runoff into smooth, straight conduits. This runoff gathers speed and erosional power as it travels underground. When this runoff leaves the storm drains and empties into a stream, its excessive volume and power blast out streambanks, damaging streamside vegetation and wiping out aquatic habitat. These increased storm flows carry sediment loads from construction sites and other denuded surfaces and eroded streambanks. They often carry higher water temperatures from streets, roof tops, and parking lots, which are harmful to the health and reproduction of aquatic life.

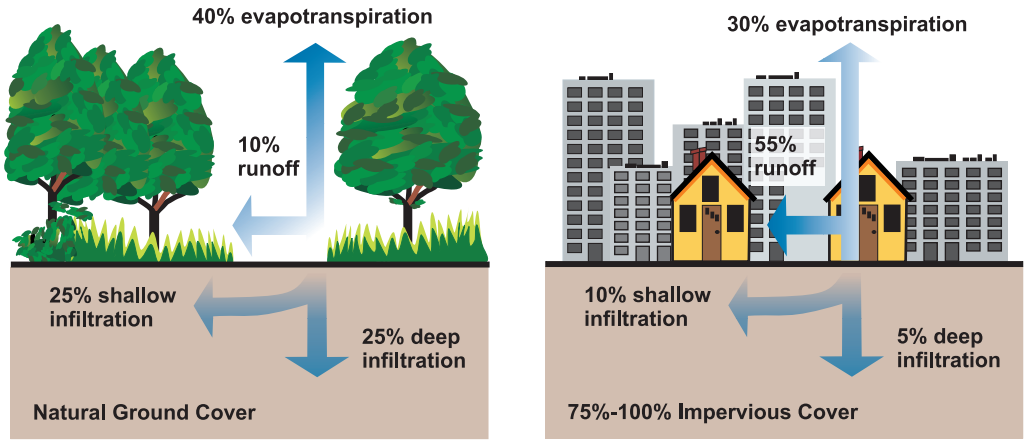
The loss of infiltration from urbanization may also cause profound groundwater changes. Although urbanization leads to great increases in flooding during and immediately after wet weather, in many instances it results in lower stream flows during dry weather. Many native fish and other aquatic life cannot survive when these conditions prevail.

Increased Pollutant Loads

Urbanization increases the variety and amount of pollutants carried into streams, rivers, and lakes. The pollutants include:

- Sediment
- Oil, grease, and toxic chemicals from motor vehicles
- Pesticides and nutrients from lawns and gardens
- Viruses, bacteria, and nutrients from pet waste and failing septic systems
- Road salts
- Heavy metals from roof shingles, motor vehicles, and other sources
- Thermal pollution from dark impervious surfaces such as streets and rooftops

These pollutants can harm fish and wildlife populations, kill native vegetation, foul drinking water supplies, and make recreational areas unsafe and unpleasant.



Relationship between impervious cover and surface runoff. Impervious cover in a watershed results in increased surface ruunoff. As little as 10 percent impervious cover in a watershed can result in stream degradation.

Managing Urban Runoff

What Homeowners Can Do

To decrease polluted runoff from paved surfaces, households can develop alternatives to areas traditionally covered by impervious surfaces. Porous pavement materials are available for driveways and sidewalks, and native vegetation and mulch can replace high maintenance grass lawns. Homeowners can use fertilizers sparingly and sweep driveways, sidewalks, and roads instead of using a hose. Instead of disposing of yard waste, they can use the materials to start a compost pile. And homeowners can learn to use Integrated Pest Management (IPM) to reduce dependence on harmful pesticides.

In addition, households can prevent polluted runoff by picking up after pets and using, storing, and disposing of chemicals properly. Drivers should check their cars for leaks and recycle their motor oil and antifreeze when these fluids are changed. Drivers can also avoid impacts from car wash runoff (e.g., detergents, grime, etc.) by using car wash facilities that do not generate runoff. Households served by septic systems should have them professionally inspected and pumped every 3 to 5 years. They should also practice water conservation measures to extend the life of their septic systems.

Controlling Impacts from New Development

Developers and city planners should attempt to control the volume of runoff from new development by using low impact development, structural controls, and pollution prevention strategies. Low impact development includes measures that conserve natural areas (particularly sensitive hydrologic areas like riparian buffers and infiltrable soils); reduce development impacts; and reduce site runoff rates by maximizing surface roughness, infiltration opportunities, and flow paths.

Controlling Impacts from Existing Development

Controlling runoff from existing urban areas is often more costly than controlling runoff from new developments. Economic efficiencies are often realized through approaches that target "hot spots" of runoff pollution or have multiple benefits, such as high-efficiency street sweeping (which addresses aesthetics, road safety, and water quality). Urban planners and others responsible for managing urban and suburban areas can first identify and implement pollution prevention strategies and examine source control opportunities. They should seek out priority pollutant reduction opportunities, then protect natural areas that help control runoff, and finally begin ecological restoration and retrofit activities to clean up degraded water bodies. Local governments are encouraged to take lead roles in public education efforts through public signage, storm drain marking, pollution prevention outreach campaigns, and partnerships with citizen groups and businesses. Citizens can help prioritize the clean-up strategies, volunteer to become involved in restoration efforts, and mark storm drains with approved "don't dump" messages.



Related Publications

Turn Your Home into a Stormwater Pollution Solution!
www.epa.gov/nps

This web site links to an EPA homeowner's guide to healthy habits for clean water that provides tips for better vehicle and garage care, lawn and garden techniques, home improvement, pet care, and more.

National Management Measures to Control Nonpoint Source Pollution from Urban Areas
www.epa.gov/owow/nps/urbanmm

This technical guidance and reference document is useful to local, state, and tribal managers in implementing management programs for polluted runoff. Contains information on the best available, economically achievable means of reducing pollution of surface waters and groundwater from urban areas.

Onsite Wastewater Treatment System Resources
www.epa.gov/owm/onsite

This web site contains the latest brochures and other resources from EPA for managing onsite wastewater treatment systems (OWTS) such as conventional septic systems and alternative decentralized systems. These resources provide basic information to help individual homeowners, as well as detailed, up-to-date technical guidance of interest to local and state health departments.

Low Impact Development Center
www.lowimpactdevelopment.org

This center provides information on protecting the environment and water resources through integrated site design techniques that are intended to replicate preexisting hydrologic site conditions.

Stormwater Manager's Resource Center (SMRC)
www.stormwatercenter.net

Created and maintained by the Center for Watershed Protection, this resource center is designed specifically for stormwater practitioners, local government officials, and others that need technical assistance on stormwater management issues.

Strategies: Community Responses to Runoff Pollution
www.nrdc.org/water/pollution/storm/stoinx.asp

The Natural Resources Defense Council developed this interactive web document to explore some of the most effective strategies that communities are using around the nation to control urban runoff pollution. The document is also available in print form and as an interactive CD-ROM.

For More Information

U.S. Environmental Protection Agency
Nonpoint Source Control Branch (4503T)
1200 Pennsylvania Avenue, NW
Washington, DC 20460

www.epa.gov/nps

February 2003

PREVENTING POLLUTION THROUGH EFFICIENT USE

United States Environmental Protection Agency
20W-0002
July 1990

OW (WH-556)
OPPE (PM-222)

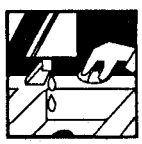
EPA

Preventing Pollution Through Efficient Water Use

EPA

For more information on what you and your community can do to use water more efficiently, contact:

U.S. Environmental Protection Agency
Office of Water
401 M Street, S.W.
Washington, D.C. 20460

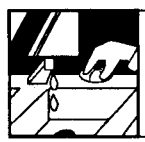


For more information on pollution prevention programs at U.S. EPA, contact:

U.S. Environmental Protection Agency
Office of Pollution Prevention
401 M Street, S.W.
Washington, D.C. 20460



How Efficient Water Use Helps Prevent Pollution



Other Reasons to Use Water Wisely



What Individuals Can Do



What Communities Can Do



What Communities Can Do

A water supplier or wastewater system operator (public or private) has cost-effective options to process and deliver water more efficiently. A community can do the same, and can foster ways to use water wisely.

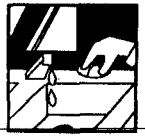
Not all of these steps are expensive. The best choices vary by region and by community; start by asking if these are appropriate where you live and work.

A Water Supplier or Wastewater Processor Can:

- ☞ Identify who uses water, and reduce unaccounted-for water use.
- ☞ Find and repair leaking pipes.
- ☞ Consider a new pricing scheme which encourages conservation.
- ☞ Reduce excess pressure in water lines.
- ☞ Explore the reuse of treated wastewater for uses other than drinking water.
- ☞ Charge hookup fees which encourage more efficient water use in new buildings.
- ☞ Build water efficiency into future demand projections, facility planning, and drought planning.

A Community Can:

- ☞ Adopt plumbing and building codes that require water-efficient equipment and practices.
- ☞ Adopt a water-efficient landscaping ordinance to reduce the water used for golf courses and commercial landscapes.
- ☞ Retrofit older buildings with water-efficient equipment, starting with public buildings.
- ☞ Reduce municipal water use for landscaping and other uses.
- ☞ Conduct a public education campaign.
- ☞ Require developers to build in water efficiency measures.



Other Reasons to Use Water Wisely

Preventing pollution is only one reason why using water efficiently makes sense. Here are a few more:

Money Saved

- Less water use results in fewer pumping and treatment costs.
- Saving money on water and wastewater operations frees money for meeting water quality, public health and water treatment goals.
- Water saved is also energy, and money, saved for you and your community.

Improved Reliability

- Water conservation provides a hedge against drought impacts.
- Improving water efficiency may be quicker and cheaper than developing a new supply.
- Reduced water use may extend the life of your water or wastewater facility.
- Reduced water use may increase the efficiency of wastewater treatment, and reduce overflows during storms.
- Communities which use water efficiently are better prepared to cope with effects of possible future climate change.



What Individuals Can Do

More efficient water use begins with individuals, in the home and place of work. Taking these and other steps, and encouraging others to do so, makes good economic as well as environmental sense.

In The Home

- Install a toilet dam or plastic bottle in your toilet tank.
- Install a water-efficient showerhead (2.5 gallons or less per minute).
- When you buy a new toilet, purchase a low flow model (1.6 gallons or less per flush).

Outdoors

- Water in the morning or evening, to minimize evaporation.
- Install a drip-irrigation watering system for valuable plants.
- Use drought-tolerant plants and grasses for landscaping, and reduce grass-covered areas.

At Work or School

- Adopt the same water-saving habits that are effective at home.
- Ask about installing water-efficient equipment and reducing outdoor water use.
- Encourage employers to explore the use of recycled "gray-water" or reclaimed wastewater.



How Efficient Water Use Helps Prevent Pollution

Using water more efficiently can help prevent pollution as well as protect and conserve our finite water resources. More efficient water use by you and your community has many other benefits.

Fewer Pollutants

- Using less water reduces the amount of wastewater discharged into our lakes, streams, rivers, and marine waters.
- The amount of pollutants wastewater carries can also be reduced, as treatment efficiency improves.
- Recycled process water can reduce pollutants from industry.
- More efficient irrigation can minimize runoff of agricultural pollutants and reduce the use of fertilizers and pesticides.

Protection of Aquatic Habitats

- Building fewer and smaller new water projects can help preserve wetlands, which naturally treat pollutants.
- Diverting less water preserves more streamflow to maintain a healthy aquatic environment.

Protection of Drinking Water Sources

- Less pumping of groundwater lowers the chance that pollutants will be drawn into a water supply well.
- With less water use, septic system performance can improve, reducing the risk of groundwater contamination.
- Highest quality water sources are preserved for drinking water by using treated wastewater for other uses.

Energy Conservation

- Efficient water use means less power needed to pump and treat water and wastewater.
- Less water use reduces the amount of energy required for heating hot water.
- Less energy demand results in fewer harmful by-products from power plants.

GARDENING TIPS

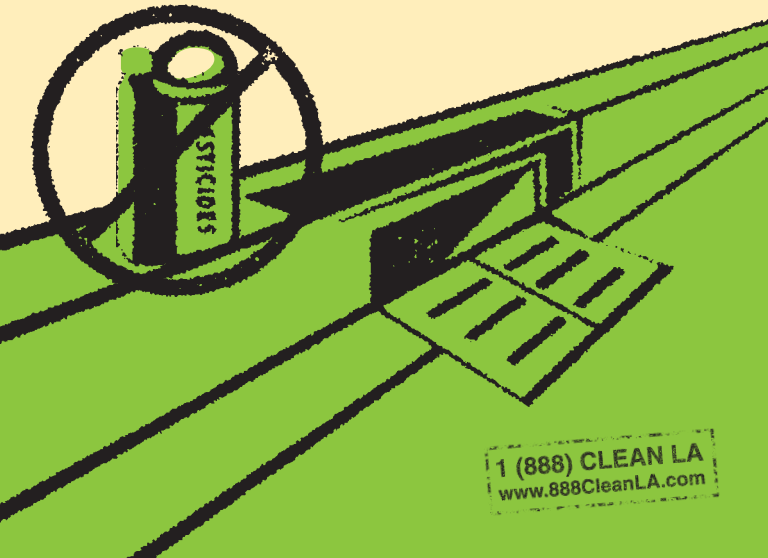
A Yard is a Terrible Thing to Waste!

Storm drains are for rain…**not yard waste.**

Residential yard waste represents about **13 percent** of the total waste generated in L.A. County.

Pesticides, fertilizer and yard waste such as leaves and mowed grass wash from the ground and streets into storm drains and flow straight to the ocean — **untreated**.

Remember to use pesticides and fertilizer wisely and pick-up yard waste.



Tips For Yard Care:

L.A. County residents can help solve the stormwater pollution problem by taking these easy steps…

- Do not over-fertilize and do not use fertilizer or pesticides near ditches, gutters or storm drains.
- Do not use fertilizer or pesticides before a rain.
- Follow the directions on the label carefully.
- Use pesticides sparingly — more is not better. "Spot" apply, rather than "blanket" apply.
- When watering your lawn, use the least amount of water possible so it doesn't run into the street carrying pesticides and other chemicals with it.
- Use non-toxic products for your garden and lawn whenever possible.
- If you must store pesticides or fertilizer, make sure they are in a sealed, water-proof container in a covered area to prevent runoff.
- Do not blow, sweep, hose or rake leaves or other yard trimmings into the street, gutter or storm drain.

PROJECT Pollution PREVENTION

A message from the County of Los Angeles Department of Public Works.
Printed on recycled paper.

PESTICIDE TIPS

Storm Drains are for Rain...

More than 200,000 times each month, lawns and gardens throughout LA County are sprayed with pesticides. Overwatering or rain causes pesticides on leaves and grass to flow into the storm drain and to the ocean — untreated.



Please use pesticides wisely, not before a rain, and water carefully.

...not pesticides.



1(888)CLEAN LA
www.888CleanLA.com

Pesticide Tips:

You can keep your lawn and garden green and at the same time solve the pollution problem by taking these easy steps...

- Never dispose of lawn or garden chemicals in storm drains. This is called illegal dumping. Take them to a household hazardous waste roundup. Call 1(888)CLEAN LA or visit www.888CleanLA.com to locate a roundup or collection facility near you.
- More is not better. Use pesticides sparingly. "Spot" apply, rather than "blanket" apply.
- Read labels! Use only as directed.
- Use non-toxic products for your garden and lawn whenever possible.
- If you must store pesticides, make sure they are in a sealed, water-proof container that cannot leak.
- When watering your lawn, use the least amount of water possible so it doesn't run into the street and carry pesticide chemicals with it. Don't use pesticides before a rain storm. You will not only lose the pesticide, but also will be harming the environment.



PROJECT Pollution PREVENTION

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PROJECT Pollution PREVENTION

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RECYCLING TIPS

Storm Drains are for Rain...

More than 50% of the automotive oil sold to do-it-yourself oil changers is not recycled. There are more than 600 State-certified used oil collection centers within Los Angeles County.

Never dispose of automotive fluids, recyclable products, or household hazardous wastes into the street or gutter. Take them to your local auto repair station, recycling center or a household hazardous waste roundup.

...they're not recycling centers.

1(888)CLEAN LA
www.888CleanLA.com



Recycling Tips:

You can help keep your community clean, protect our area waterways and make the beaches safe for ocean swimmers by putting recyclable materials where they belong — at a recycling center or household hazardous waste roundup. Never throw or pour anything into the streets or gutters...

- When changing vehicle fluids – transmission, hydraulic and motor oil, brake and radiator fluid – drain them into a drip pan to avoid spills. Do not combine these fluids. Do not dispose of them in the street, gutter or in the garbage. It is illegal.
- Recycle all used vehicle fluids. Call 1(888)CLEAN LA or visit www.888CleanLA.com for the location of a center that recycles these fluids, or for the location of a local household hazardous waste Roundup.
- Other materials that should be taken to a household hazardous waste Roundup are: paint and paint-related materials, household cleaners, batteries, pesticides and fertilizers, pool chemicals, and aerosol products.
- Aluminum, glass, plastic and newspapers should be placed in your curbside recycling bin or taken to a local recycling center.

Printed on recycled paper

PROJECT Pollution PREVENTION

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PROJECT Pollution PREVENTION

COUNTY OF LOS ANGELES LID FACT SHEETS

S-1: Storm Drain Message and Signage

Purpose

Waste material dumped into storm drain inlets can adversely impact surface and ground waters. In fact, any material discharged into the storm drain system has the potential to significantly impact downstream receiving waters. Storm drain messages have become a popular method of alerting and reminding the public about the effects of and the prohibitions against waste disposal into the storm drain system. The signs are typically stenciled or affixed near the storm drain inlet or catch basin. The message simply informs the public that dumping of wastes into storm drain inlets is prohibited and/or that the drain ultimately discharges into receiving waters.

General Guidance

- The signs must be placed so they are easily visible to the public.
- Be aware that signs placed on sidewalk will be worn by foot traffic.

Design Specifications

- Signs with language and/or graphical icons that prohibit illegal dumping, must be posted at designated public access points along channels and streams within the project area. Consult with Los Angeles County Department of Public Works (LACDPW) staff to determine specific signage requirements for channels and streams.
- Storm drain message markers, placards, concrete stamps, or stenciled language/icons (e.g., “No Dumping – Drains to the Ocean”) are required at all storm drain inlets and catch basins within the project area to discourage illegal or inadvertent dumping. Signs should be placed in clear sight facing anyone approaching the storm drain inlet or catch basin from either side (see Figure D-1 and Figure D-2). LACDPW staff should be contacted to determine specific requirements for types of signs and methods of application. A stencil can be purchased for a nominal fee from LACDPW Building and Safety Office by calling (626) 458-3171. All storm drain inlet and catch basin locations must be identified on the project site map.

Maintenance Requirements

Legibility and visibility of markers and signs should be maintained (e.g., signs should be repainted or replaced as necessary). If required by LACDPW, the owner/operator or homeowner’s association shall enter into a maintenance agreement with the agency or record a deed restriction upon the property title to maintain the legibility of placards and signs.

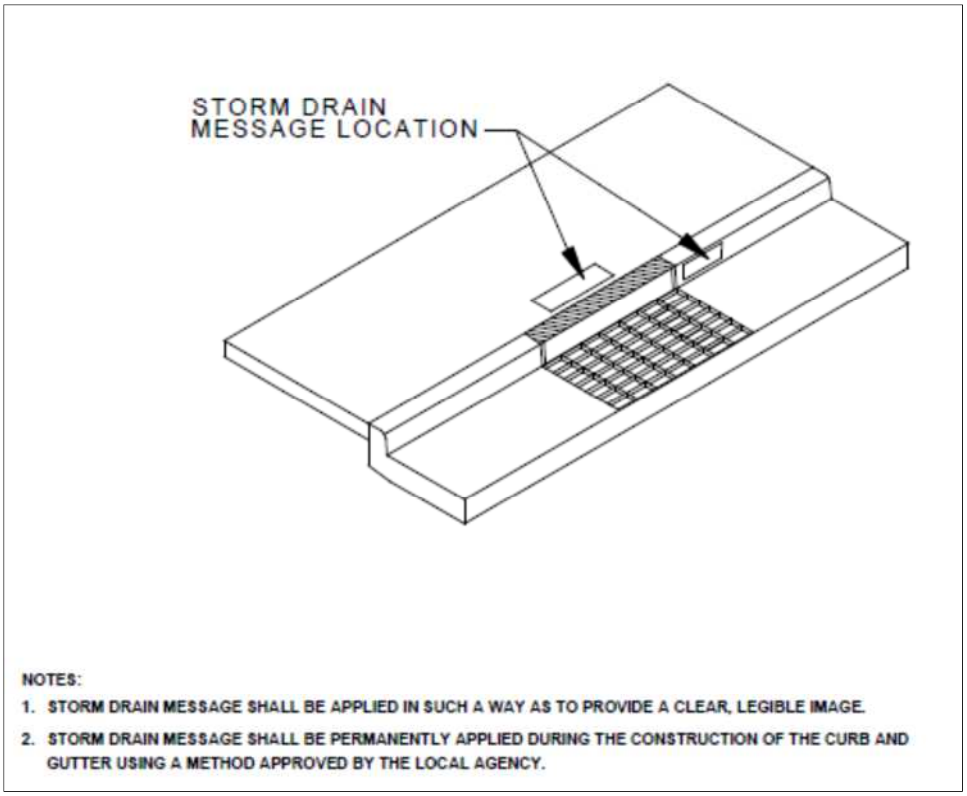


Figure D-1. Storm Drain Message Location – Curb Type Inlet

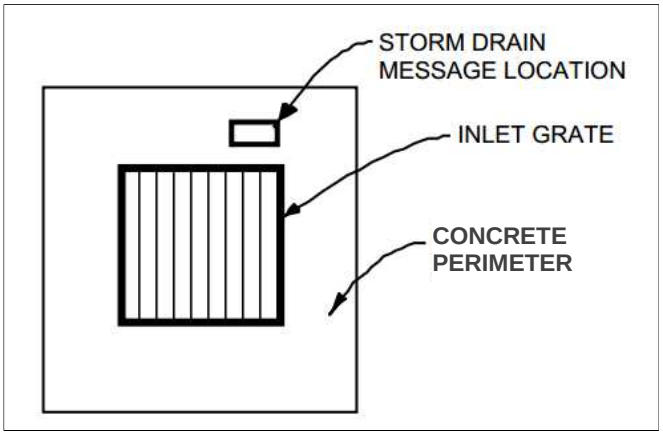


Figure D-2. Storm Drain Message Location – Catch Basin/Area Type Inlet

S-3: Outdoor Trash Storage and Waste Handling Area

Purpose

Stormwater runoff from areas where trash is stored or handled can be polluted. Loose trash and debris can be easily transported by water or wind into nearby storm drain inlets, channels, and/or receiving waters. Waste handling operations (i.e., dumpsters, litter control, waste piles) may be sources of stormwater pollution.

Design Specifications

Wastes from commercial and industrial sites are typically hauled away for disposal by either public or commercial carriers that may have design or access requirements for waste storage areas. Design specifications for waste handling areas are regulated by local building and fire codes and by current County ordinances and zoning requirements. The design specifications, listed below in Table D-3, are recommendations and are not intended to conflict with requirements established by the waste hauler. The design specifications are intended to enhance local codes and ordinances while addressing stormwater runoff concerns. The waste hauler should be contacted prior to the design of trash storage and collection areas to determine established and accepted guidelines for designing trash collection areas. All hazardous waste must be handled in accordance with the legal requirements established in Title 22 of the California Code of Regulations. Conflicts or issues should be discussed with LACDPW staff.

Table D-3. Design Specifications for Outdoor Trash Storage and Waste Handling Area

Design Feature	Design Specifications
Surfacing	• Construct/pave outdoor trash storage and waste handling area with Portland cement concrete or an equivalent impervious surface.
Screens/Covers	• Install a screen or wall around trash storage area to prevent off-site transport of loose trash. • Use lined bins or dumpsters to reduce leaking of liquid wastes. • Use waterproof lids on bins/dumpsters or provide a roof to cover storage area enclosure (LACDPW discretion) to prevent precipitation from entering containers.
Grading/Drainage	• Berm and/or grade waste handling area to prevent stormwater run-on. • Locate waste handling area at least 35 feet from storm drains. • Divert drainage from adjoining roofs and pavement away from adjacent trash storage areas.
Signs	• Post signs on all dumpsters and/or inside enclosures prohibiting disposal of liquids and hazardous materials in accordance with any waste disposal ordinance.

Accumulated Water

Stormwater runoff, non-stormwater runoff, and spills will accumulate in containment areas and sumps with impervious surfaces. Contaminated accumulated water must be disposed of in accordance with applicable laws and regulations, and cannot be discharged directly to the storm drain or sanitary sewer system without appropriate permitting. Contact LACDPW (1-888-CLEAN-LA) for information regarding discharge of contaminated accumulated water.

Maintenance Requirements

The integrity of structural elements that are subject to damage (e.g., screens, covers, signs) must be maintained by the owner/operator as required by local codes and ordinances. Outdoor trash storage and waste handling areas must be checked periodically to ensure containment of accumulated water and prevention of stormwater run-on. Maintenance agreements between LACDPW and the owner/operator may be required. Failure to properly maintain building and property may subject the property owner to citation.

S-8: Landscape Irrigation Practices

Purpose

Irrigation runoff provides a pathway for pollutants (i.e., nutrients, bacteria, organics, sediment) to enter the storm drain system. By effectively irrigating, less runoff is produced resulting in less potential for pollutants to enter the storm drain system.

General Guidance

- Do not allow irrigation runoff from the landscaped area to drain directly to storm drain system.
- Minimize use of fertilizer, pesticides, and herbicides on landscaped areas.
- Plan sites with sufficient landscaped area and dispersal capacity (e.g., ability to receive irrigation water without generating runoff).
- Consult a landscape professional regarding appropriate plants, fertilizer, mulching applications, and irrigation requirements (if any) to ensure healthy vegetation growth.

Design Specifications

- Choose plants that minimize the need for fertilizer and pesticides.
- Group plants with similar water requirements and water accordingly.
- Use mulch to minimize evaporation and erosion.
- Include a vegetative boundary around project site to act as a filter.
- Design the irrigation system to only water areas that need it.
- Install an approved subsurface drip, pop-up, or other irrigation system.[1] The irrigation system should employ effective energy dissipation and uniform flow spreading methods to prevent erosion and facilitate efficient dispersion.
- Install rain sensors to shut off the irrigation system during and after storm events.
- Include pressure sensors to shut off flow-through system in case of sudden pressure drop. A sudden pressure drop may indicate a broken irrigation head or water line.
- If the hydraulic conductivity in the soil is not sufficient for the necessary water application rate, implement soil amendments to avoid potential geotechnical hazards (i.e., liquefaction, landslide, collapsible soils, and expansive soils).

[1] If alternative distribution systems (e.g., spray irrigation) are approved, the County will establish guidelines to implement these new systems.

- For sites located on or within 50 feet of a steep slope (15% or greater), do not irrigate landscape within three days of a storm event to avoid potential geotechnical instability.[2]
- Implement Integrated Pest Management practices.

For additional guidelines and requirements, refer to the Los Angeles County Department of Health Services.

Maintenance Requirements

Maintain irrigation areas to remove trash and debris and loose vegetation. Rehabilitate areas of bare soil. If a rain or pressure sensor is installed, it should be checked periodically to ensure proper function. Inspect and maintain irrigation equipment and components to ensure proper functionality. Clean equipment as necessary to prevent algae growth and vector breeding. Maintenance agreements between LACDPW and the owner/operator may be required. Failure to properly maintain building and property may subject the property owner to citation.

[2] As determined by the City of Los Angeles, Building and Safety Division

S-9: Building Materials Selection

Purpose

Building materials can potentially contribute pollutants of concern to stormwater runoff through leaching. For example, metal buildings, roofing, and fencing materials may be significant sources of metals in stormwater runoff, especially due to acidic precipitation. The use of alternative building materials can reduce pollutant sources in stormwater runoff by eliminating compounds that can leach into stormwater runoff. Alternative building materials may also reduce the need to perform maintenance activities (i.e., painting) that involve pollutants of concern, and may reduce the volume of stormwater runoff. Alternative materials are available to replace lumber and paving.

Design Specifications

Lumber

Decks and other house components constructed using pressure-treated wood that is typically treated using arsenate, copper, and chromium compounds are hazardous to the environment. Pressure-treated wood may be replaced with cement-fiber or vinyl.

Roofs, Fencing, and Metals

Minimizing the use of copper and galvanized (zinc-coated) metals on buildings and fencing can reduce leaching of these pollutants into stormwater runoff. The following building materials are conventionally made of galvanized metals:

- Metal roofs;
- Chain-link fencing and siding; and
- Metal downspouts, vents, flashing, and trim on roofs.

Architectural use of copper for roofs and gutters should be avoided. As an alternative to copper and galvanized materials, coated metal products are available for both roofing and gutter application. Vinyl-coated fencing is an alternative to traditional galvanized chain-link fences. These products eliminate contact of bare metal with precipitation or stormwater runoff, and reduce the potential for stormwater runoff contamination. Roofing materials are also made of recycled rubber and plastic.

Green roofs may be an option. Green roofs use vegetation such as grasses and other plants as an exterior surface. The plants reduce the velocity of stormwater runoff and absorb water to reduce the volume of stormwater runoff. One potential problem with using green roofs in the Los Angeles County area is the long, hot and dry summers, which may kill the plants if they are not watered. See the Green Roof Fact Sheet (RET-7) in Appendix E.

Pesticides

The use of pesticides around foundations can be reduced through the use of alternative barriers. Sand barriers can be applied around foundations to deter termites, as they cannot tunnel through sand. Metal shields also block termites from tunneling. Additionally, diatomaceous earth can be used to repel or kill a wide variety of other pests.

Maintenance Requirements

The integrity of structural elements that are subject to damage (e.g., signs) must be maintained by the owner/operator as required by local codes and ordinances. Maintenance agreements between LACDPW and the owner/operator may be required. Failure to properly maintain building and property may subject the property owner to citation.

RET-3: Infiltration Trench



Description

An infiltration trench is a narrow trench constructed in naturally pervious soils designed for retaining and infiltrating stormwater runoff into the underlying native soils and groundwater table. Infiltration trenches are typically filled with gravel and sand, although use of manufactured percolation tank modules may be considered in place of gravel fill. Infiltration trenches provide stormwater runoff treatment through a variety of natural mechanisms (i.e., filtration, adsorption, biological degradation) as water flows through the soil profile.

Infiltration trenches differ from infiltration basins in that the former are used for small drainage areas and stores stormwater runoff out of sight underground within the void spaces of rocks or stones or percolation tank modules. Infiltration basins are used for larger drainage areas and stormwater is stored within a visible ponded surface.

Infiltration vaults and infiltration leach fields are subsurface variations of the infiltration trench concept in which stormwater runoff is distributed to the upper zone of the subsurface gravel bed by means of perforated pipes.

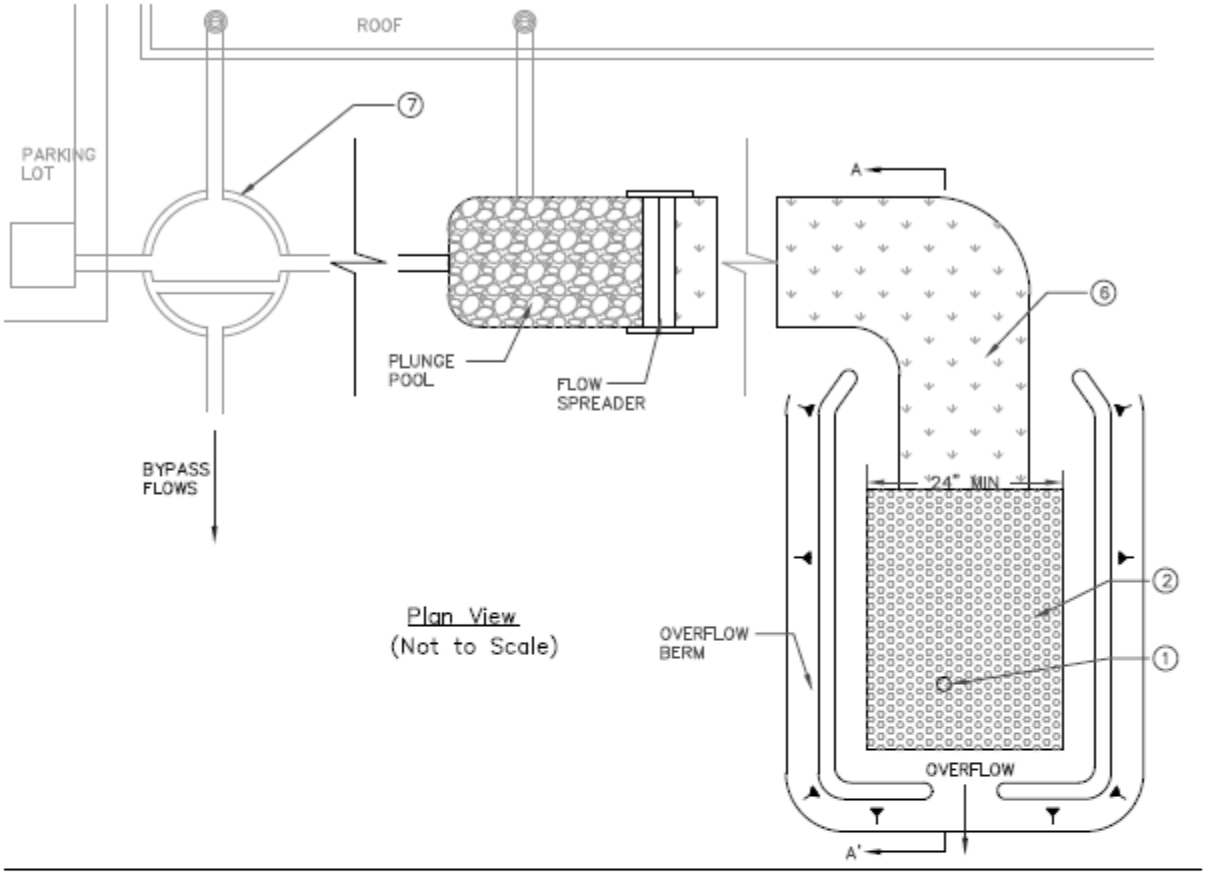
A schematic of a typical infiltration trench is presented in Figure E-3.

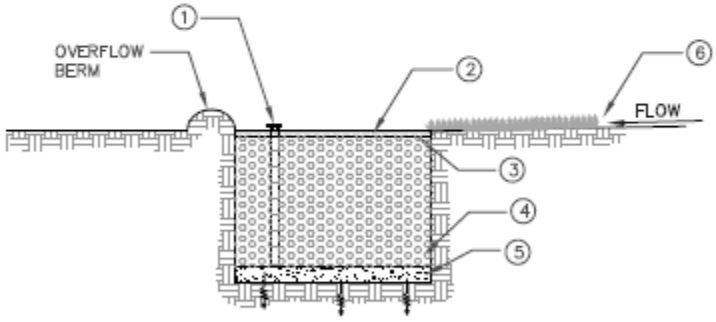
LID Ordinance Requirements

Infiltration trenches can be used to meet the on-site retention requirements of the LID Ordinance. Infiltration trenches will prevent pollutants in the SWQDv from being discharged off-site.

Advantages

- Reduces or eliminates stormwater runoff discharge to receiving water for most storm events
- Reduces peak stormwater runoff, which provides erosion control
- Provides groundwater recharge
- Provides effective treatment through settling and filtering while requiring relatively small space.
- Fits in narrow areas and unused areas of a development site.
- Is suitable for use when water is not available for irrigation or base flow.





NOTES:

1. OBSERVATION WELL WITH LOCKABLE ABOVE–GROUND CAP
2. 2" PEA GRAVEL FILTER LAYER
3. PROVIDE FILTER FABRIC IF NO PRETREATMENT IS PROVIDED
4. 3' – 5' DEEP TRENCH FILLED WITH 2" – 6" DIAMETER CLEAN STONE WITH 30% – 40% VOIDS
5. 6" DEEP SAND FILTER LAYER (OR FABRIC EQUIVALENT)
6. RUNOFF FILTERS THROUGH GRASS FILTER STRIP OR VEGETATED SWALE
7. OPTIONAL FLOW CONTROL DEVICE FOR OFF–LINE CONFIGURATIONS

Figure E-3. Infiltration Trench Schematic

Disadvantages

- Is not appropriate for areas with too low or too high permeability soils
- May not be appropriate for industrial sites or locations with contaminated soils or where spills may occur because of the potential threat to groundwater contamination
- Must be protected from high sediment loads
- May result in standing water, which may allow vector breeding
- Is not appropriate on fill or sites with steep slopes

General Constraints and Implementation Considerations

- Infiltration trenches can be integrated into open space buffers and other landscape areas.
- The potential for groundwater contamination must be carefully considered,. Infiltration trenches are not suitable for sites that:
    - Use or store chemicals or hazardous materials, unless they are prevented from entering the trench; or
    - Un-remediated “brownfield sites” where there is known groundwater or soil contamination.
- Infiltration trenches should be sited away from tree drip lines and kept free of vegetation.
- If the corrected in-situ infiltration rate exceed 2.4 in/hr, then stormwater runoff may need to be fully-treated with an upstream stormwater quality control measure prior to infiltration to protect groundwater quality.
- Infiltration trenches cannot be located on sites with a slope greater than 15 percent.
- Pretreatment to remove sediment is required to protect infiltration trench from high sediment loads.
- If possible, the entire tributary area of the infiltration trench should be stabilized before construction begins. If this is not possible, all flows should be diverted around the infiltration trench to protect it from sediment loads during construction or the top two inches of soil from the infiltration trench floor should be removed after the site has been stabilized. Excavated material should be stored such that it cannot be washed back into the infiltration trench if a storm occurs during construction.
- The equipment used to construct the infiltration trench should have extra wide low-pressure tires. Construction traffic should not enter the infiltration trench because it can compact soil, which reduces infiltration capacity. If heavy equipment is used on the base of the infiltration trench, the infiltrative capacity may be restored by tilling or aerating prior to placing the infiltrative bed.

- Clean, washed gravel should be placed in the excavated trench in lifts and lightly compacted with a plate compactor. Use of unwashed gravel can result in clogging.
- A geomembrane liner should be installed generously with overlapping seams on sides, bottom, and one foot below the surface of the infiltration trench.
- After construction is completed, the entire tributary area of the infiltration trench should be stabilized before allowing stormwater runoff to enter it.
- An observation well must be installed to check water levels, detention time, and evidence of clogging. An access road along the entire length of the infiltration trench is required unless it is located along an existing road or parking lot that can be safely used for maintenance access.

Design Specifications

The following sections provide design specifications for infiltration trenches.

Geotechnical

Due to the potential to contaminate groundwater, cause slope instability, impact surrounding structures, and potential for insufficient infiltration capacity, an extensive geotechnical site investigation must be conducted during the site planning process to verify site suitability for an infiltration trench. All geotechnical investigations must be performed according to the most recent GMED Policy GS 200.1. Soil infiltration rates and the groundwater table depth must be evaluated to ensure that conditions are satisfactory for proper operation of an infiltration trench. The project applicant must demonstrate through infiltration testing, soil logs, and the written opinion of a licensed civil engineer that sufficiently permeable soils exist on-site to allow the construction of a properly functioning infiltration trench.

Infiltration trenches are appropriate for soils with a minimum corrected in-situ infiltration rate of 0.3 in/hr. The geotechnical report must determine if the proposed project site is suitable for an infiltration trench and must recommend a design infiltration rate (see "Design Infiltration Rate" under the "Sizing" section). The geotechnical investigation should be such that a good understanding is gained as to how the stormwater runoff will move through the soil (horizontally or vertically) and if there are any geological conditions that could inhibit the movement of water.

Pretreatment

Pretreatment is important for all structural stormwater quality control measures, but it is particularly important for retention facilities. Pretreatment refers to design features that provide settling of large particles before stormwater runoff enters a stormwater quality control measure in order to reduce the long-term maintenance burden. Pretreatment should be provided to reduce the sediment load entering an infiltration trench in order to maintain the infiltration rate of the infiltration trench. To ensure that infiltration trenches are effective, the project applicant must incorporate pretreatment devices that provide

sediment reduction (e.g., vegetated swales, vegetated filter strips, sedimentation manholes, and proprietary devices).

Setbacks

Infiltration trenches must be sited following the setbacks from the most recent GMED Policy GS 200.1.

Geometry

- Infiltration trenches must be designed and constructed to be at least 24 inches wide and 3 to 5 feet deep.
- The longitudinal slope of the trench should not exceed three percent.
- The filter bed media layers must have the following composition and thickness:
    - Top layer: 2 inches of pea gravel
    - Middle layer: 3 to 5 feet of washed 2- to 6-inch gravel; void spaces should be approximately 30 to 40 percent
    - Bottom layer: 6 inches of sand or geomembrane liner equivalent.

Sizing

Infiltration trenches are sized a simple sizing method where the SWQDv must be completely infiltrated within 96 hours. Infiltration trenches provide stormwater runoff storage in the voids of the rock fill or percolation tank modules.

Step 1: Determine the SWQDv

Infiltration trenches must be designed to capture and retain the SWQDv (see Section 6 for SWQDv calculation procedures).

Step 2: Determine the design infiltration rate

Determine the corrected in-situ infiltration rate (f_{design}) of the native soil using the procedures described in the most recent GMED Policy GS 200.1.

Step 3: Calculate the surface area

Determine the size of the required infiltration surface by assuming the SWQDv will fill the available void spaces of the gravel storage layer. The maximum depth of stormwater runoff that can be infiltrated within the maximum retention time (96 hrs) is calculated using the following equation:

$$d_{max} = \frac{f_{design}}{12} \times t$$

Where:

d_{max} = Maximum depth of water that can be infiltrated within the maximum retention time [ft];
f_{design} = Design infiltration rate [in/hr]; and
t = Maximum retention time (max 96 hrs) [hr].

Select the infiltration trench depth (d_t) such that:

$$d_t \leq \frac{d_{max}}{n_t}$$

Where:

d_t = Depth of infiltration trench [ft];
d_{max} = Maximum depth of water that can be infiltrated within the maximum retention time [ft]; and
n_t = Infiltration trench fill porosity.

Calculate the infiltrating surface area (bottom of the infiltration trench) required:

$$A = \frac{SWQDv}{d_t \times n_t}$$

Where:

A = Surface area of the bottom of the infiltration trench [ft^2];
SWQDv = Stormwater quality design volume [ft^3];
d_t = Depth of infiltration trench fill [ft]; and
n_t = Infiltration trench porosity.

Flow Entrance and Energy Dissipation

Energy dissipation controls, constructed of sound materials such as stones, concrete, or proprietary devices that are rated to withstand the energy of the influent flow, must be installed at the inlet to the infiltration trench. Flow velocity at the inlet must be 4 ft/s or less. Consult with LACDPW for the type and design of energy dissipation structure.

Drainage

The specifications for designing drainage systems for infiltration trenches are presented below:

- The bottom of infiltration trench must be native soil that is over-excavated at least one foot in depth with the soil replaced uniformly without compaction. Amending the excavated soil with two to four inches (~15 to 30 percent) of coarse sand is recommended.

- The use of vertical piping, either for distribution or infiltration enhancement, is prohibited. This application may be classified as a Class V Injection Well per 40 CFR Part 146.5(e)(4).
- The infiltration capacity of the subsurface layers should be sufficient to ensure a maximum detention time of 96 hours. An observation well must be installed to allow observation of detention time.

Hydraulic Restriction Layer

The entire infiltrative area, including the side slopes must lined with a geomembrane liner to prevent soil from migrating into the top layer and reducing the infiltration capacity. The specifications of the geomembrane liner are presented in Table E-5. The entire trench area, including the sides, must be lined with a geomembrane liner prior to placing the media bed. Provide generous overlap at the seams.

Table E-5. Geomembrane Liner Specifications for Infiltration Trenches

Parameter	Test Method	Specifications
Material		Nonwoven geomembrane liner
Unit weight		8 oz/yd^3 (minimum)
Filtration rate		0.08 in/sec (minimum)
Puncture strength	ASTM D-751 (Modified)	125 lbs (minimum)
Mullen burst strength	ASTM D-751	400 lb/in^2 (minimum)
Tensile strength	AST D-1682	300 lbs (minimum)
Equiv. opening size	US Standard Sieve	No. 80 (minimum)

Observation Well

The observation well is a vertical section of perforated PVC pipe, four- to six-inch diameter, installed flush with the top of the infiltration trench on a footplate and with a locking, removable cap. The observation well is needed to monitor the infiltration rate in infiltration trench and is useful for marking the location of the infiltration trench.

Vegetation

- Infiltration trenches must be kept free of vegetation.
- Trees and other large vegetation should be planted away from infiltration trenches such that drip lines do not overhang the infiltration area.

Restricted Construction Materials

Use of pressure-treated wood or galvanized metal at or around an infiltration trench is prohibited.

Overflow Device

An overflow device must be provided in the event that stormwater runoff overtops the infiltration trench or if the infiltration trench becomes clogged. The overflow device must be able to convey stormwater runoff to a downstream conveyance system or other acceptable discharge point.

Maintenance Access

The infiltration trench must be safely accessible during wet and dry weather conditions if it is publicly-maintained. An access road along the entire length of the infiltration trench is required unless the trench is located along an existing road or parking lot that can be safely used for maintenance access. If the infiltration trench becomes plugged and fails, access is needed to excavate the infiltration trench and replace the filter bed media. All dimensions of the infiltration trench should also be increased by two inches to provide a fresh surface for infiltration. To prevent damage and compaction, access must able to accommodate a backhoe working at "arm's length" from the infiltration trench.

Maintenance Requirements

Maintenance and regular inspections are important for proper function of infiltration trenches. The following are general maintenance requirements:

- Conduct regular inspection and routine maintenance for pretreatment devices.
- Inspect infiltration trench and its observation well frequently to ensure that water infiltrates into the subsurface completely within the maximum detention time of 96 hours. If water is present in the observation well more than 96 hours after a major storm, the infiltration trench may be clogged. Maintenance activities triggered by a potentially clogged facility include:
    - Check for debris/sediment accumulation, rake surface and remove sediment (if any), and evaluate potential sources of sediment and vegetative or other debris (i.e., embankment erosion, channel scour, overhanging trees). If suspected upstream sources are outside of the County's jurisdiction, additional pretreatment (i.e., trash racks, vegetated swales) may be necessary.
    - Assess the condition of the top aggregate layer for sediment buildup and crusting. Remove the top layer of pea gravel and replace. If slow draining conditions persist, the entire infiltration trench may need to be excavated and replaced.
- Eliminate standing water to prevent vector breeding.
- Inspect infiltration trenches annually. Remove and dispose of trash and debris as needed, but at least prior to the beginning of the wet season.
- Inspect overflow devices for obstructions or debris, which should be removed immediately. Repair or replace damaged pipes upon discovery.

A summary of potential problems that may need to be addressed by maintenance activities is presented in Table E-6.

The County requires execution of a maintenance agreement to be recorded by the property owner for the on-going maintenance of any privately-maintained stormwater quality control measures. The property owner is responsible for compliance with the maintenance agreement. A sample maintenance agreement is presented in Appendix H.

Table E-6. Infiltration Trench Troubleshooting Summary

Problem	Conditions When Maintenance Is Needed	Maintenance Required
Trash and Debris	Trash and debris > 5 ft^3/1,000 ft^2	Remove and dispose of trash and debris.
Contaminants and Pollution	Any evidence of oil, gasoline, contaminants, or other pollutants	Remove any evidence of visual contamination.
Erosion/Sediment Accumulation	Undercut or eroded areas at inlet structures	Repair eroded areas and re-grade if necessary.
	Accumulation of sediment, debris, and oil/grease in pretreatment devices	Remove sediment, debris, and/or oil/grease.
	Accumulation of sediment, debris, and oil/grease on surface, inlet or overflow structures	Remove sediment, debris, and/or oil/grease.
Water Drainage Rate	Standing water, or by inspection of observation wells	Remove the top layer of the infiltration trench bottom and replace if necessary.

Appendix D LID Calculations, Hydrology Maps, and Geotechnical Report

Design Criteria and Reference

- Los Angeles County Department of Public Works – Low Impact Development Standards Manual (2014)
  - Appendix F – Stormwater Quality Control Measure Examples
- Los Angeles County Department of Public Works – Development Best Management Practices Handbook (5th Edition)
  - Appendix F – All Other Development Sample Design Calculations
- Depth of 85th Percentile from Los Angeles County Hydrology Map
  - https://dpw.lacounty.gov/wrd/hydrologygis/
- Soils Type from Los Angeles County Hydrology Map
  - https://dpw.lacounty.gov/wrd/hydrologygis/
- Percolation/Infiltration per Giles Engineering, Inc. Project Report No. TBD
- Infiltration System: StormTech MC-3500 by ADS

Flow Rate and Volume Calculation

Subarea ID: Entire Site

Project Name	Public Storage Covina
Total Area (A_{Total})	2.70 acres
Type of Development	Commercial
Flow Path Length	640 ft
Flow Path Slope	2.0□
Percent of Project Impervious	92.7□
Predominate Soil Type #	6
Design Storm	85th Percentile
Rainfall Depth	1.0 inch(es)
Measured infiltration rate ($K_{Sat,Measured}$)	TBD 1.5 assumed in/hr
Maximum Retention Time (T)	96 hr (required)

HydroCalc 85th Percentile Peak Mitigated Flow Rate (Q_{pm}) □ 0.64 cfs
HydroCalc 85th Percentile, 24-Hr Clear Runoff Volume (V_{calc}) □ 8,181 ft^3

Catchment Area □ (Impervious Area x 0.9) □ [(Pervious Area □ Undeveloped Area) x 0.1)]
(108,875 ft^2 x 0.9) □ [8,566 ft^2 x 0.1)] □ 98,844 ft^2

V_m □ (rainfall depth, ft) x (Catchment Area, ft^2)
1.0 in x (1 ft/12 in) x (98,844 ft^2) □ 8,237 ft^3

V_m □ V_{calc} ∴ V_m □ V_{Design}

V_{Design} □ SWQDv □ 8,237 ft^3

Design for Below Grade Infiltration Basin

i. $K_{sat,design}$ = $K_{sat,measured}$/FS
(TBD, 1.5 ASSUMED in/hr)/ 3 = 0.5 in/hr

ii. A_{min} = (V_{Design} x 12 in/ft)/($K_{sat,design}$ x T)
(8,237 ft^3 x 12 in/ft)/(0.5 in/hr x 96 hr) = 2,060 ft^2

iii. D_{Basin} = (V_{Design})/(A_{min})
(8,237 ft^3)/(2,060 ft^2) = 4.1 ft

Proposed BMP System

BMP System: StormTech MC-3500

Storage Volume (1)($V_{storage}$)	8,831 ft^3
Storage Volume Per Chamber	109.9 ft^3
Number of Chambers	43
Number of End Caps	10
Chamber Rows	5
Approximate Bed Size (A_{infil})	2,685 ft^2
Stone Porosity	40
Stone Foundation Depth	9 inches
Stone Above Chambers	12 inches
Chamber Height	45 inches
Total Basin Height (D_{total})	5.5 ft

(1)Storage volume includes gravel void storage

Area of infiltration system, A_{infil} = 2,685 ft^2 (per manufacturer specifications)

A_{infil} > A_{min} ∴ Use A_{infil}

Total storage in infiltration system, $V_{Storage}$ = 8,831 ft^3 (per manufacturer specifications)

Using the system footprint area, 3-hr infiltration volume, $V_{3\text{-}hr}$

$V_{3\text{-}hr}$ = A_{infil} x ($K_{sat,design}$/12 in/ft) x 3 hr
= 2,685 ft^2 x [(TBD in/hr)/(12 in/ft)] x 3 hr = TBD ft^2

V_{req} = $V_{storage}$ - $V_{3\text{-}hr}$ = 8,831 ft^3 – TBD ft^3 = TBD ft^3

$V_{Storage}$ > V_{req} ∴ **Design is O**

Peak Flow Hydrologic Analysis

File location: M:/2021/21-918 Public Storage Covina 1330 Cypress/LID/21-918 PS Covina_HydroCalc - Proposed Site.pdf
Version: HydroCalc 1.0.2

Input Parameters

Project Name	21-918 PS Covina
Subarea ID	Proposed Site
Area (ac)	2.7
Flow Path Length (ft)	640.0
Flow Path Slope (vft/hft)	0.02
85th Percentile Rainfall Depth (in)	1.0
Percent Impervious	0.927
Soil Type	6
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	1.0
Peak Intensity (in/hr)	0.28
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.8416
Time of Concentration (min)	25.0
Clear Peak Flow Rate (cfs)	0.6363
Burned Peak Flow Rate (cfs)	0.6363
24-Hr Clear Runoff Volume (ac-ft)	0.1878
24-Hr Clear Runoff Volume (cu-ft)	8180.417

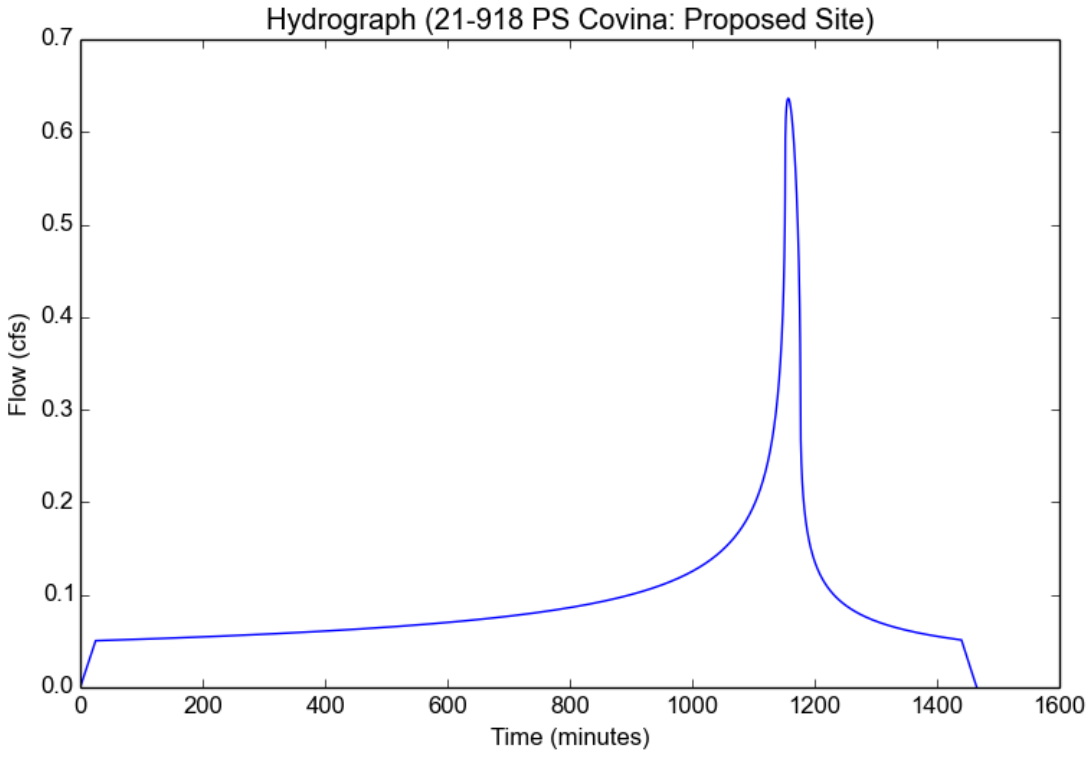
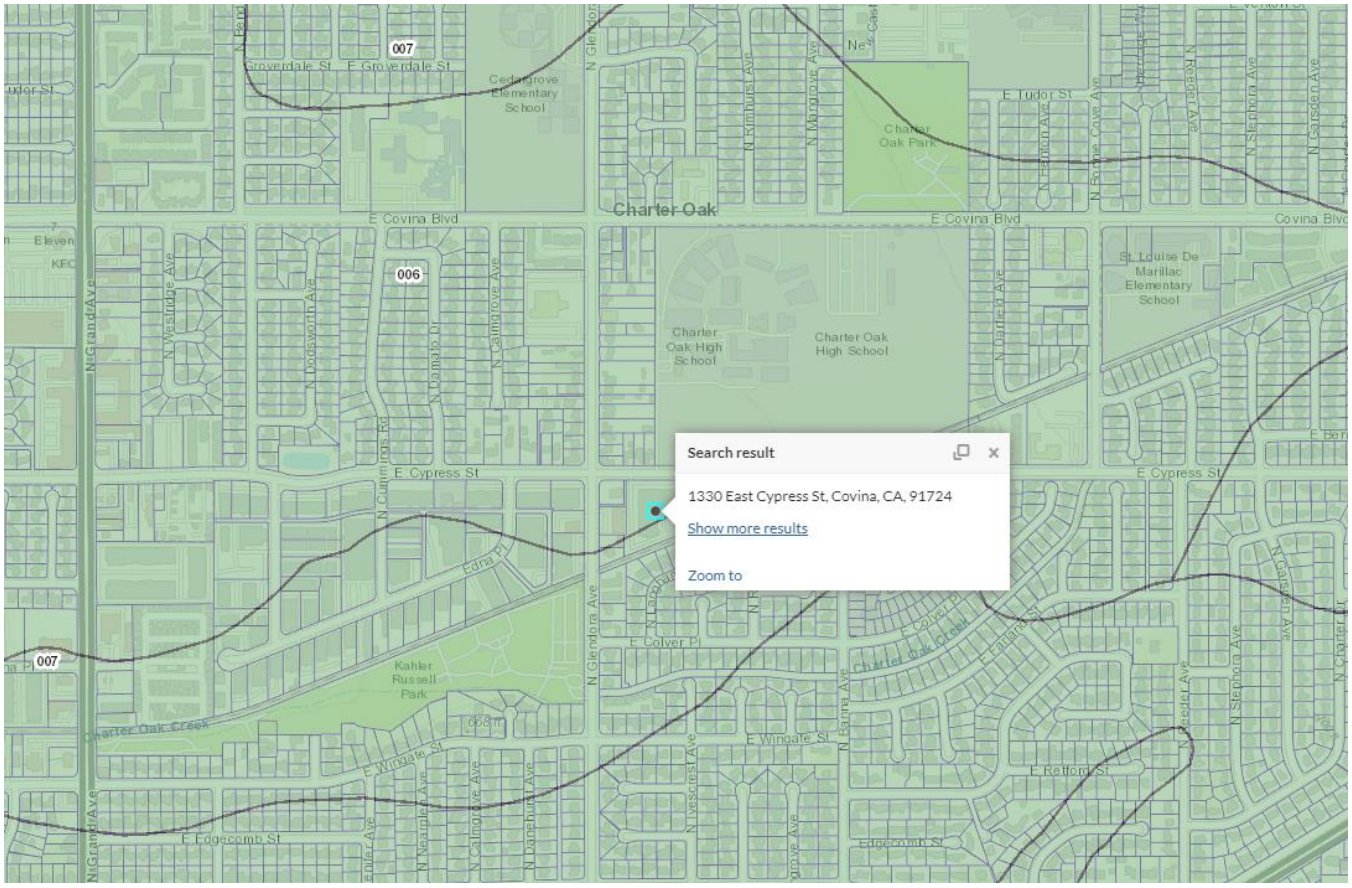
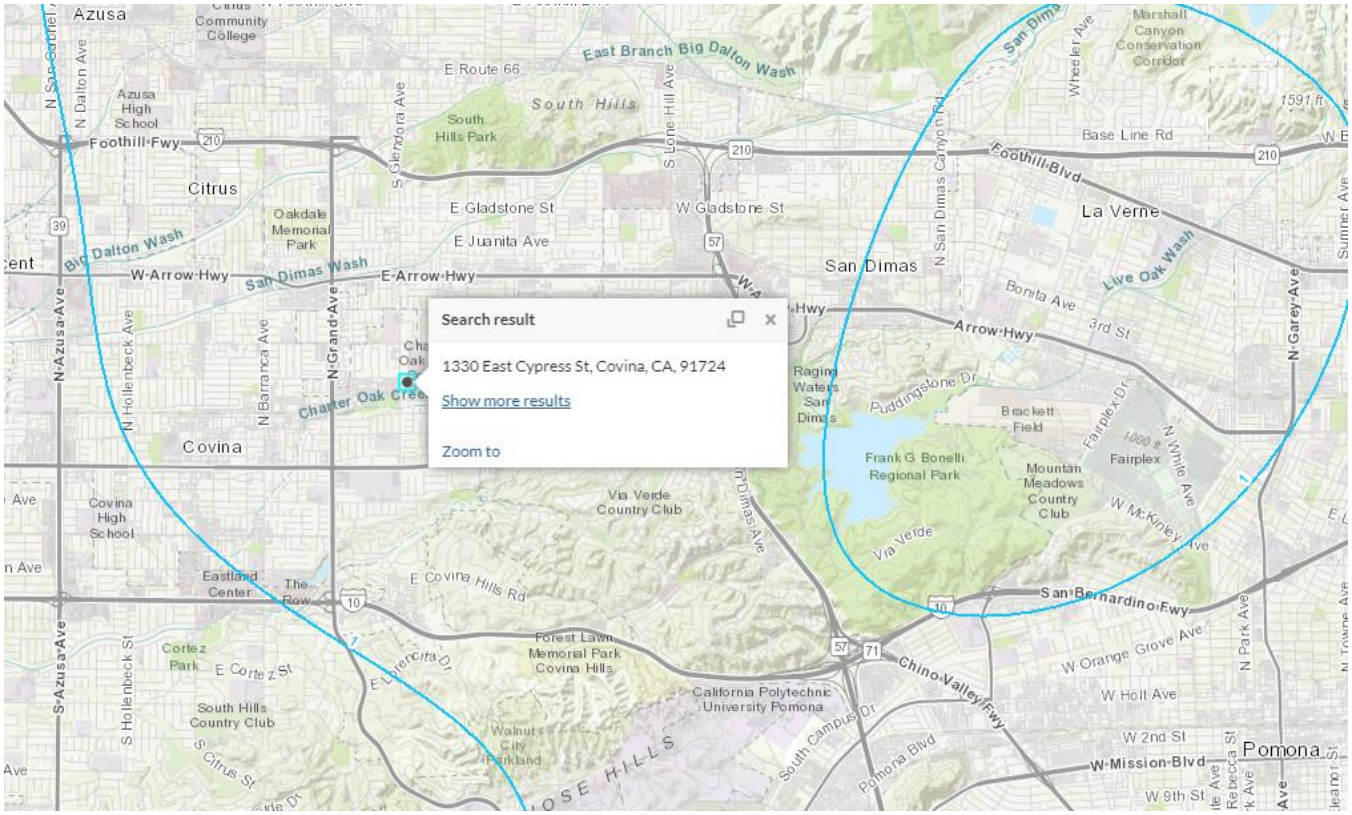


Figure D-1: LACDPW Hydrology GIS - Soils 2004 Map



Soil Type: 6

Figure D-2: LACDPW Hydrology GIS – Final 85th Percentile, 24-hr Rainfall



Rainfall Depth: 1.0 inch(es)

Appendix E Design Drawings & Details

E. CYPRESS STREET

GLENDORA AVENUE

PACIFIC ELECTRIC R/W

EX. DRIVEWAY TO BE REMOVED

EX. DRIVEWAY TO BE REMOVED

EX. TREE TO BE REMOVED

PROP. DRIVEWAY

6' SCE EASEMENT

EX. TREE TO BE REMOVED

LANDSCAPE

EX. TREE TO BE REMOVED, TYP.

LANDSCAPE

S89°59'30"W 344.5'

5' H. RETAINING WALL

4' H. RETAINING WALL

10' SCE EASEMENT

2ND FLOOR FF=76.0

SELF-STORAGE 4-STORY

10' SCE EASEMENT

EX. TREE TO BE REMOVED

1ST FLOOR FF=66.0

EX. TREE TO BE REMOVED

0" CURB

PROP. TRASH ENCLOSURE

EX. TREE TO BE REMOVED

EX. 3' WIDE V-GUTTER

PROPOSED RIBBON GUTTER

PROP. 3' WIDE V-GUTTER (FOR RUN-ON FLOWS)

0" CURB

10' SEWER AND STORM DRAIN EASEMENT

PROPOSED RIBBON GUTTER (FOR RUN-ON FLOWS)

EX. TREE TO BE REMOVED

EX. TREE TO REMAIN

SD SYSTEM OVERFLOW TO CMP SD INLET

EXISTING 21" CMP SD INLET

PROP. 6' HT. CMU BLOCK WALL

S89°59'30"W 10.0'

N68°11'30"E 381.7'

180.0'

39.8±

THE CONTOURS AND ELEVATIONS SHOWN HERON ARE BASED ON THE FOLLOWING BENCHMARK:

BM No.: NG5486 ELEV.: 721.488' (COUNTY OF LOS ANGELES BENCHMARK)
DESCRIPTION: L&T IN N CB CYPRESS ST @ C/L PROD LYMAN ST.

CONTOUR INTERNAL=1'

SITE:

TOTAL EX. IMPERVIOUS AREA: 111,297 SF
TOTAL NEW IMPERVIOUS AREA: 108,875 SF
TOTAL REMOVAL/REPLACEMENT OF IMPERVIOUS AREA: −2,422 SF

EARTHWORK ESTIMATE:

7,000 CY	CUT
3,300 CY	FILL
3,700 CY	NET FILL

NOTES:

- EARTHWORK SHOWN HEREON FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THEIR OWN EARTHWORK NUMBERS FOR PRICING/CONTRACT PURPOSES.

N

30' 0' 30' 60' 90'

GRAPHIC SCALE: 1"=30'

160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

DRC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning

GREGORY R. COOKE R.C.E. 39478 DATE

NOT FOR CONSTRUCTION

NO:	REVISION:	DATE:

PROJECT: **PUBLIC STORAGE FACILITY**
1330 CYPRESS STREET
COVINA, CA

DRAWING NAME: **CONCEPTUAL GRADING PLAN**

ISSUE:	CONCEPTUAL
DATE:	2021-07-13
CHECKED: CM	DRAWN: CC
DRAWING FILE:	
PROJECT NO.:	21-918
SHEET NUMBER:	1
OF	3 SHEETS
SCALE:	AS SHOWN

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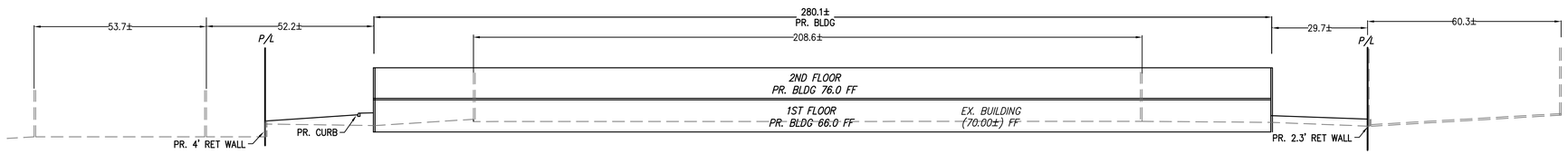
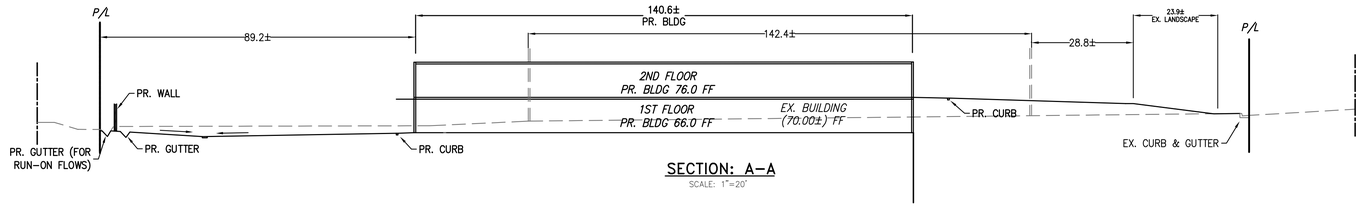


SECTION: B-B

SCALE: 1"=20'



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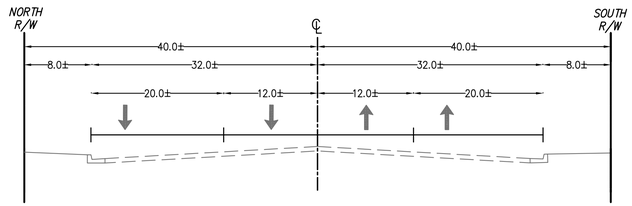

E CYPRESS ST TYPICAL SECTION

SCALE: 1"=10'

20' 0' 20' 40' 60'

GRAPHIC SCALE: 1"=20'

160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

DRC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning

GREGORY R. COOKE R.C.E. 39478 DATE

NOT FOR CONSTRUCTION

NO.:	REVISION:	DATE:

PROJECT: PUBLIC STORAGE FACILITY
1330 CYPRESS STREET
COVINA, CA

DRAWING NAME: CONCEPTUAL GRADING PLAN

ISSUE:	CONCEPTUAL
DATE:	2021-07-28
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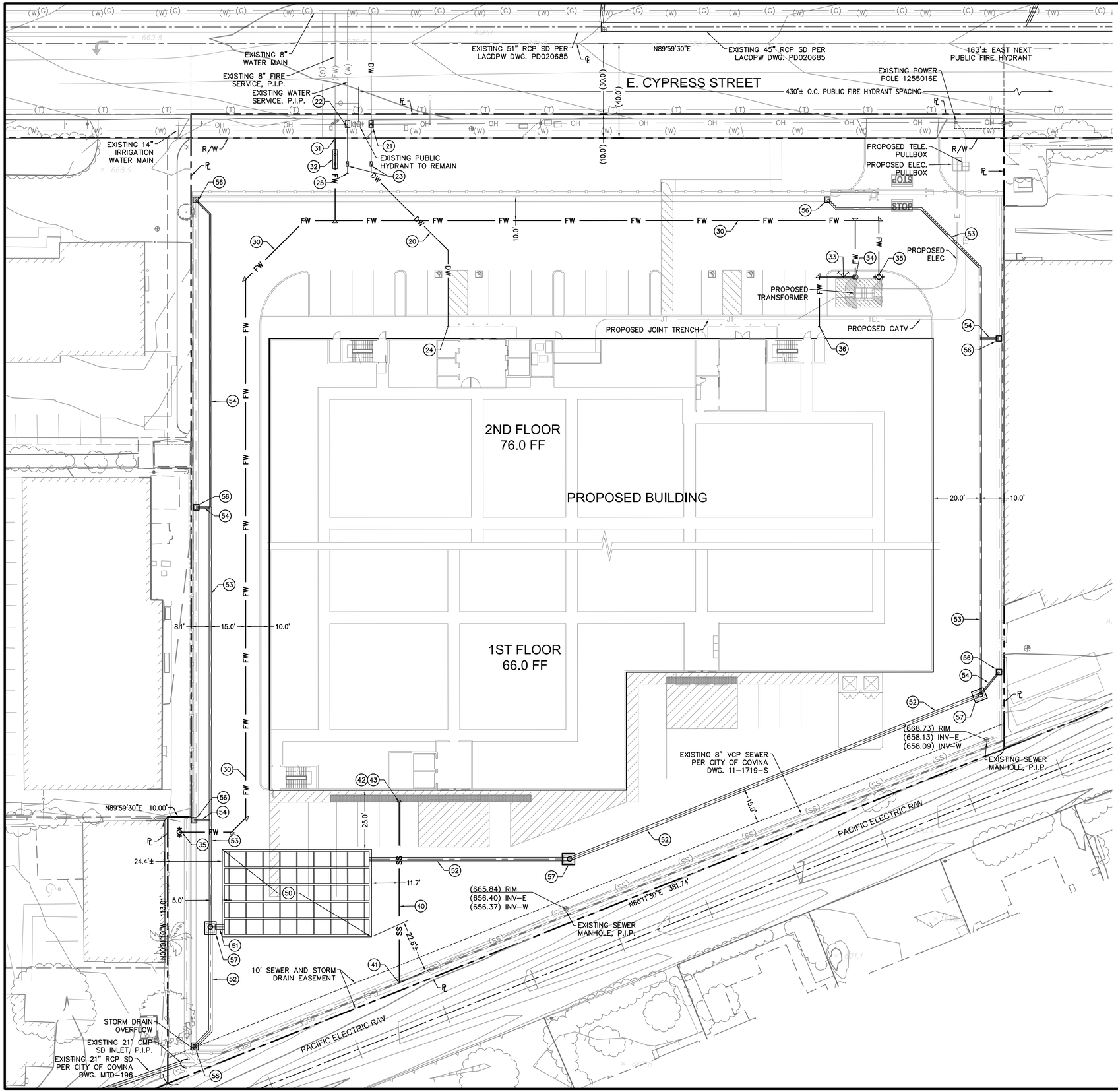

WATER CONSTRUCTION NOTES:

(20) PROPOSED 2" DOMESTIC WATER LINE.

(21) INSTALL 2" DOMESTIC WATER SERVICE LATERAL AND METER.

(22) CONNECT TO EXISTING DOMESTIC WATER METER.

(23) INSTALL 2" BACKFLOW PREVENTION DEVICE.

(24) DOMESTIC WATER P.O.C.

(25) IRRIGATION P.O.C.

FIRE CONSTRUCTION NOTES:

(30) PROPOSED 8" FIRE WATER LINE.

(31) CONNECT TO EXISTING 8" FIRE SERVICE LATERAL.

(32) PROPOSED 12" FIRE BACKFLOW.

(33) PROPOSED FIRE DEPARTMENT CONNECTION.

(34) PROPOSED POST INDICATOR VALVE.

(35) PROPOSED FIRE HYDRANT.

(36) BUILDING SPRINKLER P.O.C.

SEWER CONSTRUCTION NOTES:

(40) PROPOSED 4" SEWER LINE.

(41) CONNECT TO EXISTING SEWER LATERAL.

(42) INSTALL SEWER CLEANOUT.

(43) SEWER P.O.C.

STORM DRAIN CONSTRUCTION NOTES:

(50) PROPOSED UNDERGROUND INFILTRATION SYSTEM (ADS MC-3500)

(51) PROPOSED 24" STORM DRAIN PIPE.

(52) PROPOSED 18" STORM DRAIN PIPE.

(53) PROPOSED 12" STORM DRAIN PIPE.

(54) PROPOSED 8" STORM DRAIN PIPE.

(55) CONSTRUCT 24" X 24" GRATE INLET CATCH BASIN.

(56) CONSTRUCT 18" X 18" GRATE INLET CATCH BASIN.

(57) CONSTRUCT STORM DRAIN MANHOLE.

DRC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning
160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860
R.C.E. 74414
CHRISTOPHER MCKEE
DATE

NOT FOR CONSTRUCTION

NO:	REVISION:	DATE:

PROJECT: PUBLIC STORAGE COVINA
1330 E. CYPRESS STREET
COVINA, CA 91724

DRAWING NAME: CONCEPTUAL UTILITY PLAN

ISSUE:	CONCEPTUAL
DATE:	2021-07-16
CHECKED: CM	DRAWN: NS
DRAWING FILE:	21918CU01
PROJECT NO.:	21-918
SHEET NUMBER:	3
OF	3 SHEETS
SCALE:	AS SHOWN

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User Inputs

Chamber Model:	MC-3500
Outlet Control Structure:	Yes
Project Name:	21-918 PS Covina
Engineer:	Nick Saludo
Project Location:	California
Measurement Type:	Imperial
Required Storage Volume:	8237 cubic ft.
Stone Porosity:	40%
Stone Foundation Depth:	9 in.
Stone Above Chambers:	12 in.
Average Cover Over Chambers:	18 in.
Design Constraint Dimensions:	(40 ft. x 75 ft.)

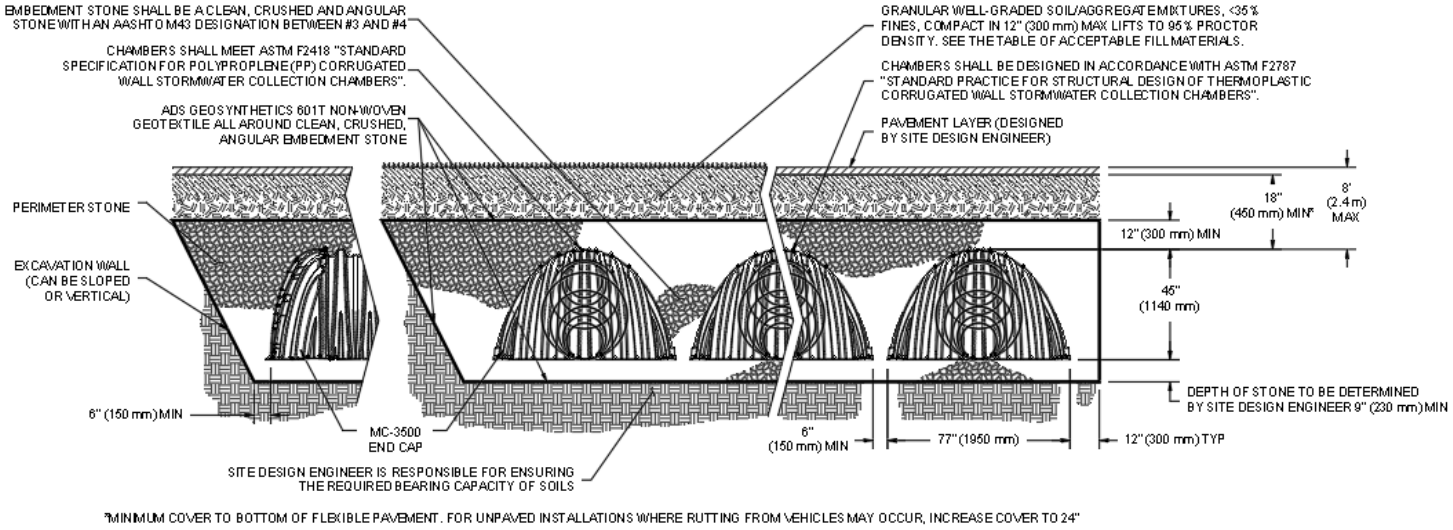
Results

System Volume and Bed Size

Installed Storage Volume:	8831.39 cubic ft.
Storage Volume Per Chamber:	109.90 cubic ft.
Number Of Chambers Required:	43
Number Of End Caps Required:	10
Chamber Rows:	5
Maximum Length:	74.38 ft.
Maximum Width:	36.68 ft.
Approx. Bed Size Required:	2684.80 square ft.

System Components

Amount Of Stone Required:	366.36 cubic yards
Volume Of Excavation (Not Including Fill):	546.90 cubic yards



Appendix F Operation and Maintenance (O&M) Plan

OPERATION AND MAINTENANCE PLAN

(O&M PLAN)

For:

Public Storage - Covina
1330 E. Cypress Street
Covina, CA 91724

Prepared for:

Public Storage
701 Western Avenue
Glendale, CA 91201
Contact: Andres Friedman
Tel: (818) 244-8080

Lead Agency:

City of Covina
125 E. College Street
Covina, CA 91723

Prepared by:

DRC Engineering, Inc.
160 South Old Springs Road, Suite 210
Anaheim Hills, CA 92808
Tel: (714) 685-6860
Christopher McKee, P.E.

Prepared on: July 1, 2021
Revised on: □□□□□

DRC Project No. 21-918

Owner's Certification

OPERATION AND MAINTENANCE PLAN

FOR

Public Storage - Covina

1330 E. Cypress Street, Covina, CA 91724

This Operation and Maintenance Plan (O&M Plan) has been prepared for Public Storage by DRC Engineering, Inc. for Public Storage - Covina at 1330 E. Cypress Street in the City of Covina, County of Los Angeles, State of California. The O&M Plan and a Covenant and Agreement are required to ensure optimum performance of the installed Best Management Practices.

The undersigned, while it owns the subject property, is responsible for the implementation of the provisions of this plan and will ensure that this plan is amended as appropriate to reflect up-to-date conditions on the site consistent with the County's Manual for Low Impact Development (LID) and the intent of the non-point source NPDES Permit for Waste Discharge Requirements for the County of Los Angeles, Los Angeles County Flood Control District and the incorporated Cities of Los Angeles County within the Los Angeles Region Stormwater Runoff Management Program. Once the undersigned transfers its interest in the property, its successors-in-interest shall bear the aforementioned responsibility to implement and amend the LID Plan and the Operation and Maintenance Plan. An appropriate number of approved and signed copies of this document shall be available on the subject site in perpetuity.

Signed:

Name: _____

Title: _____

Company: Public Storage

Address: 701 Western Avenue, Glendale

Telephone #: (818) 244-8080

Date: _____

Table of Contents

Section 1.0 Operation and Maintenance Plan for Source Control BMPs - 1 -

Section 2.0 Operation & Maintenance Plan for Infiltration System - 2 -

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2.2 BMP Specific Information..... - 2 -

2.3 Regular Inspection ..... - 2 -

2.4 Maintenance Requirements ..... - 2 -

2.5 Maintenance Log ..... - 2 -

Section 1.0 Operation and Maintenance Plan for Source Control BMPs

POST CONSTRUCTION BMPS MAINTENANCE RESPONSIBILITY/FREQUENCY MATRIX			
BMP	**TITLE**	**INSPECTION FREQUENCY (ALL CONTROLS)**	**MAINTENANCE / REPAIR PROGRAM**
S-1	Storm Drain Message and Signage	Inspect for legibility a minimum of once per year.	Responsible Party: Public Storage Re-label/re-stencil as needed to clearly depict signage. Refer to *LA County LID Manual* S-1 and CASQA BMP SD-13 for additional information.
S-3	Outdoor Trash Storage and Waste Handling Area	Periodically	Responsible Party: Public Storage Structural elements that are subject to damage (e.g., screens, covers, signs) must be maintained as required by local codes and ordinances. Outdoor trash storage and waste handling areas must be checked periodically to ensure containment of accumulated water and prevention of stormwater run-on. Maintenance agreements between LACDPW and the owner/operator may be required. Refer to *Los Angeles County LID Manual* S-3 and CASQA BMP SD-32 for additional information.
S-8	Landscape Irrigation Practices	Inspect irrigation equipment on a monthly basis for proper operation. Check water sensors, irrigation heads, and timing.	Responsible Party: Public Storage Adjust irrigation heads and timers as necessary Repair or replace damaged irrigation equipment and make other repairs or adjustments as necessary. Landscape maintenance will be conducted on a weekly basis. Refer to *Los Angeles County LID Manual* S-8 and CASQA BMP SD-12 for additional information.
S-9	Building Materials Selection	Ongoing/daily management of operation	Responsible Party: Public Storage Use safer alternative products when possible and practicable. See *Los Angeles County LID Manual* S-9 and CASQA BMP SC-35 and SD-21 for additional information.

Section 2.0 Operation & Maintenance Plan for Infiltration System

2.1 Responsible Party

Entity responsible for the long-term inspection and maintenance:

Name: Andres Friedman

Title: VP Development, Real Estate Group

Company: Public Storage

Address: 701 Western Avenue, Glendale, CA 91201

Phone: (818) 244-8080

Source of Funding:

Company: Public Storage

Address: 701 Western Avenue, Glendale, CA 91201

Phone: (818) 244-8080

2.2 BMP Specific Information

BMP Type: Infiltration System			
Model	Quantity	Location	Storage
StormTech MC-3500 Chamber	43 units (chambers) 10 units (end caps)	Southwest corner of site	8,831 CF

2.3 Regular Inspection

Isolator Row

Inspect every 6 months during the first year of operation. Adjust the inspection interval based on previous observations of sediment accumulation and high-water elevations.

Conduct jetting and vactoring annually or when inspection shows that maintenance is necessary.

2.4 Maintenance Requirements

- Inspect Isolator Row Plus for Sediment
- Clean out Isolator Row Plus Using the jetvac process
- Replace all covers, grates, filters, and lids; record observation and actions
- Inspect and clean basins and manholes upstream of the StormTech system

2.5 Maintenance Log

Keep a log of all inspections and maintenance performed on the bioretention. The log should be kept on-site.

StormTech Maintenance Log

Project Name:
Location:



	Stadia Rod Readings				
Date	**Fixed point to chamber bottom (1)**	**Fixed point to top of sediment (2)**	**Sediment Depth (1) - (2)**	**Observations / Actions**	**Inspector**

Appendix G

Noise Measurements and Modeling

ESA

Project: Covina Public Storage

Construction Noise Impact on Sensitive Receptors

Parameters

Construction Hours:	8	Daytime hours (7 am to 7 pm)
	0	Evening hours (7 pm to 10 pm)
	0	Nighttime hours (10 pm to 7 am)
Leq to L10 factor	3	

				R1					R2					R3					R4				
Construction Phase **Equipment Type**	**No. of Equip.**	**Reference Noise Level at 50ft, Lmax**	**Acoustical Usage Factor**	**Distance (ft)**	**Lmax**	**Leq**	**L10**	**Estimated Noise Shielding, dBA**	**Distance (ft)**	**Lmax**	**Leq**	**L11**	**Estimated Noise Shielding, dBA**	**Distance (ft)**	**Lmax**	**Leq**	**L12**	**Estimated Noise Shielding, dBA**	**Distance (ft)**	**Lmax**	**Leq**	**L11**	**Estimated Noise Shielding, dBA**
Demolition					***80***	***77***				***82***	***79***				***74***	***71***				***80***	***77***		
Tractor/Loader/Backhoe	1	78	40□	300	62	58	61	0	400	60	56	59	0	500	58	54	57	0	300	62	58	61	0
Forklift	1	75	10□	200	63	53	56	0	200	63	53	56	0	300	59	49	52	0	200	63	53	56	0
Other Equipment	1	85	50□	90	80	77	80	0	75	81	78	81	0	180	74	71	74	0	90	80	77	80	0
Site Preparation					***80***	***77***				***82***	***79***				***75***	***71***				***80***	***77***		
Excavator	1	81	40□	200	69	65	68	0	200	69	65	68	0	300	65	61	64	0	200	69	65	68	0
Forklift	1	75	10□	300	59	49	52	0	400	57	47	50	0	500	55	45	48	0	300	59	49	52	0
Other Equipment	1	85	50□	90	80	77	80	0	75	81	78	81	0	180	74	71	74	0	90	80	77	80	0
Grading/Excavation					***81***	***78***				***82***	***79***				***75***	***72***				***81***	***78***		
Tractor/Loader/Backhoe	1	78	40□	300	62	58	61	0	400	60	56	59	0	500	58	54	57	0	300	62	58	61	0
Excavator	1	81	40□	200	69	65	68	0	200	69	65	68	0	300	65	61	64	0	200	69	65	68	0
Grader	1	85	40□	300	69	65	68	0	400	67	63	66	0	500	65	61	64	0	300	69	65	68	0
Forklift	1	75	10□	200	63	53	56	0	200	63	53	56	0	300	59	49	52	0	200	63	53	56	0
Other Equipment	1	85	50□	90	80	77	80	0	75	81	78	81	0	180	74	71	74	0	90	80	77	80	0
Drainage/Utilities/Trenching					***80***	***77***				***82***	***79***				***74***	***71***				***80***	***77***		
Tractor/Loader/Backhoe	1	78	40□	200	66	62	65	0	200	66	62	65	0	300	62	58	61	0	200	66	62	65	0
Forklift	1	75	10□	300	59	49	52	0	400	57	47	50	0	500	55	45	48	0	300	59	49	52	0
Other Equipment	1	85	50□	90	80	77	80	0	75	81	78	81	0	180	74	71	74	0	90	80	77	80	0
Foundation/Concrete Pour					***85***	***78***				***87***	***80***				***79***	***72***				***85***	***78***		
Tractor/Loader/Backhoe	1	78	40□	300	62	58	61	0	400	60	56	59	0	500	58	54	57	0	300	62	58	61	0
Concrete Saw	1	90	20□	90	85	78	81	0	75	86	79	82	0	180	79	72	75	0	90	85	78	81	0
Forklift	1	75	10□	200	63	53	56	0	200	63	53	56	0	300	59	49	52	0	200	63	53	56	0
Building Construction					***73***	***63***				***74***	***64***				***67***	***57***				***73***	***63***		
Forklift	2	75	10□	90	73	63	66	0	75	74	64	67	0	180	67	57	60	0	90	73	63	66	0
Paving					***80***	***77***				***82***	***78***				***74***	***71***				***80***	***77***		
Paver	1	77	50□	300	61	58	61	0	400	59	56	59	0	500	57	54	57	0	300	61	58	61	0
Other Equipment	1	85	50□	90	80	77	80	0	75	81	78	81	0	180	74	71	74	0	90	80	77	80	0
Architectural Coating					***73***	***66***				***74***	***67***				***67***	***60***				***73***	***66***		
Man Lift	2	75	20□	90	73	66	69	0	75	74	67	70	0	180	67	60	63	0	90	73	66	69	0
Overlapping Phases																							
Demolition & Site Preparation & Grading/Excavation						82					83					76					82		
Drainage/Utilities/Trenching & Foundations/Concrete Pour & Building Construction						81					82					75					81		
Building Construction & Paving						77					79					71					77		
Building Construction & Architectural Coating						68					69					62					68		
Maximum Combined Noise Levels						**82.0**					**83.4**					**76.2**					**82.0**		

Source for Ref. Noise Levels: LA CEQA Guides, 2006 & FHWA RCNM, 2005

Summary

File Name on Meter	LxT_Data.225.s
File Name on PC	LxT_0004285-20220111 105219-LxT_Data.225.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2022-01-11 10:52:19
Stop	2022-01-11 11:07:19
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2022-01-11 10:48:10
Post-Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting		
Peak Weight	A Weighting		
Detector	Slow		
Preamplifier	PRMLxT2B		
Microphone Correction	Off		
Integration Method	Exponential		
Overload	144.7 dB		
	A	**C**	**Z**
Under Range Peak	**100.9**	97.9	102.9 dB
Under Range Limit	**39.2**	38.8	45.6 dB
Noise Floor	30.1	29.7	36.5 dB

Results

LASeq	57.4		
LASE	86.9		
EAS	54.590 µPa²h		
EAS8	1.747 mPa²h		
EAS40	8.734 mPa²h		
LASpeak (max)	2022-01-11 11:02:03	79.9 dB	
LASmax	2022-01-11 11:01:54	62.7 dB	
LASmin	2022-01-11 10:52:45	54.7 dB	
SEA	-99.9 dB		
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LASpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LASpeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s	
LCSeq	66.5 dB		
LASeq	57.4 dB		
LCSeq - LASeq	9.1 dB		
LAIeq	58.2 dB		
LAeq	57.4 dB		
LAIeq - LAeq	0.9 dB		

	A		C		Z	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	57.4					
LS(max)	62.7	2022/01/11 11:01:54				
LS(min)	54.7	2022/01/11 10:52:45				
LPeak(max)	79.9	2022/01/11 11:02:03				

Overload Count	0
Overload Duration	0.0 s

Summary

File Name on Meter	LxT_Data.226.s
File Name on PC	LxT_0004285-20220111 110924-LxT_Data.226.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2022-01-11 11:09:24
Stop	2022-01-11 11:24:24
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2022-01-11 10:48:10
Post-Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamplifier	PRMLxT2B
Microphone Correction	Off
Integration Method	Exponential
Overload	144.7 dB

	A	C	Z
Under Range Peak	**100.9**	97.9	102.9 dB
Under Range Limit	**39.2**	38.8	45.6 dB
Noise Floor	30.1	29.7	36.5 dB

Results

LASeq	66.4	
LASE	96.0	
EAS	439.120 µPa²h	
EAS8	14.052 mPa²h	
EAS40	70.259 mPa²h	
LASpeak (max)	2022-01-11 11:17:23	93.7 dB
LASmax	2022-01-11 11:24:11	78.6 dB
LASmin	2022-01-11 11:13:37	43.8 dB
SEA	-99.9 dB	
LAS > 85.0 dB (Exceedance Counts / Duration)	0	0.0 s
LAS > 115.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 135.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 137.0 dB (Exceedance Counts / Duration)	0	0.0 s
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0	0.0 s
LCSeq	70.5 dB	
LASeq	66.4 dB	
LCSeq - LASeq	4.1 dB	
LAIeq	68.6 dB	
LAeq	66.4 dB	
LAIeq - LAeq	2.2 dB	

	A		C		Z	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	66.4					
LS(max)	78.6	2022/01/11 11:24:11				
LS(min)	43.8	2022/01/11 11:13:37				
LPeak(max)	93.7	2022/01/11 11:17:23				

Overload Count	0
Overload Duration	0.0 s

Summary

File Name on Meter	LxT_Data.227.s
File Name on PC	LxT_0004285-20220111 112512-LxT_Data.227.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2022-01-11 11:25:12
Stop	2022-01-11 11:40:12
Duration	00:15:00.0
Run Time	00:15:00.0
Pause	00:00:00.0
Pre-Calibration	2022-01-11 10:48:10
Post-Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting		
Peak Weight	A Weighting		
Detector	Slow		
Preamplifier	PRMLxT2B		
Microphone Correction	Off		
Integration Method	Exponential		
Overload	144.7 dB		
	A	**C**	**Z**
Under Range Peak	**100.9**	97.9	102.9 dB
Under Range Limit	**39.2**	38.8	45.6 dB
Noise Floor	30.1	29.7	36.5 dB

Results

LASeq	65.8			
LASE	95.4			
EAS	382.611	µPa²h		
EAS8	12.244	mPa²h		
EAS40	61.218	mPa²h		
LASpeak (max)	2022-01-11 11:31:01		92.9	dB
LASmax	2022-01-11 11:31:01		77.5	dB
LASmin	2022-01-11 11:29:30		43.9	dB
SEA	-99.9	dB		
LAS > 85.0 dB (Exceedance Counts / Duration)	0		0.0	s
LAS > 115.0 dB (Exceedance Counts / Duration)	0		0.0	s
LASpeak > 135.0 dB (Exceedance Counts / Duration)	0		0.0	s
LASpeak > 137.0 dB (Exceedance Counts / Duration)	0		0.0	s
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0		0.0	s
LCSeq	70.4	dB		
LASeq	65.8	dB		
LCSeq - LASeq	4.6	dB		
LAIeq	67.8	dB		
LAeq	65.8	dB		
LAIeq - LAeq	2.0	dB		

	A		C		Z	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	65.8					
LS(max)	77.5	2022/01/11 11:31:01				
LS(min)	43.9	2022/01/11 11:29:30				
LPeak(max)	92.9	2022/01/11 11:31:01				

Overload Count	0	
Overload Duration	0.0	s

Summary

File Name on Meter	LxT_Data.228.s
File Name on PC	LxT_0004285-20220111 114633-LxT_Data.228.ldbin
Serial Number	0004285
Model	SoundTrack LxT®
Firmware Version	2.404
User	
Location	
Job Description	
Note	

Measurement

Description	
Start	2022-01-11 11:46:33
Stop	2022-01-11 12:02:30
Duration	00:15:21.5
Run Time	00:14:59.3
Pause	00:00:22.2
Pre-Calibration	2022-01-11 10:48:10
Post-Calibration	None
Calibration Deviation	---

Overall Settings

RMS Weight	A Weighting			
Peak Weight	A Weighting			
Detector	Slow			
Preamplifier	PRMLxT2B			
Microphone Correction	Off			
Integration Method	Exponential			
Overload	144.7 dB			
	A	**C**	**Z**	
Under Range Peak	**100.9**	97.9	102.9	dB
Under Range Limit	**39.2**	38.8	45.6	dB
Noise Floor	30.1	29.7	36.5	dB

Results

LASeq	56.6			
LASE	86.2			
EAS	46.193	µPa²h		
EAS8	1.479	mPa²h		
EAS40	7.397	mPa²h		
LASpeak (max)	2022-01-11 12:01:40		97.6	dB
LASmax	2022-01-11 12:01:46		79.0	dB
LASmin	2022-01-11 11:55:53		39.0	dB
SEA	-99.9	dB		
LAS > 85.0 dB (Exceedance Counts / Duration)	0		0.0	s
LAS > 115.0 dB (Exceedance Counts / Duration)	0		0.0	s
LASpeak > 135.0 dB (Exceedance Counts / Duration)	0		0.0	s
LASpeak > 137.0 dB (Exceedance Counts / Duration)	0		0.0	s
LASpeak > 140.0 dB (Exceedance Counts / Duration)	0		0.0	s
LCSeq	65.0	dB		
LASeq	56.6	dB		
LCSeq - LASeq	8.4	dB		
LAIeq	62.3	dB		
LAeq	57.2	dB		
LAIeq - LAeq	5.2	dB		

	A		C		Z	
	dB	**Time Stamp**	**dB**	**Time Stamp**	**dB**	**Time Stamp**
Leq	57.2					
LS(max)	79.0	2022/01/11 12:01:46				
LS(min)	39.0	2022/01/11 11:55:53				
LPeak(max)	97.6	2022/01/11 12:01:40				

Overload Count	0	
Overload Duration	0.0	s

Appendix H
Trip Generation Analysis Memorandum

ESA

Attachment 3

LSA

CARLSBAD
FRESNO
IRVINE
PALM SPRINGS
POINT RICHMOND
RIVERSIDE
ROCKLIN
SAN LUIS OBISPO

MEMORANDUM

DATE: July 30, 2021

TO: Bryan Miranda, Public Storage

FROM: Ken Wilhelm, LSA

SUBJECT: Public Storage Covina, California – Trip Generation Analysis

LSA is pleased to present this trip generation memorandum for the construction of a 141,784-square-foot (sf) Public Storage facility located at 1330 East Cypress Street in Covina, Los Angeles County, California. The project will demolish an existing 55,321 sf manufacturing facility operated by TT Electronics. Figure 1 (attached) shows the project site plan.

The purpose of this analysis is to identify the project's net trip generation and determine whether the project would require a Traffic Impact Analysis.

TRIP GENERATION

In order to estimate the number of vehicle trips generated by the existing site and the proposed project, the trip generation has been calculated from land-use-based trip rates referenced from the Institute of Transportation Engineers' (ITE) *Trip Generation Manual, 10th Edition* (2017). Table A, below, summarizes the project trip generation using the ITE trip rates.

Currently, the site is occupied by 55,321 sf of manufacturing use operated by TT Electronics. TT Electronics is a global manufacturer of electronic components and provider of manufacturing services. Using trip rates for a Manufacturing use (ITE Land Use Code 140), the site generates 217 daily weekday trips, including 34 trips in the a.m. peak hour (27 inbound and 7 outbound) and 37 trips in the p.m. peak hour (12 inbound and 25 outbound).

The proposed project consists of the construction of a 141,784 sf self-storage facility. Using trip rates for a Mini-Warehouse use (ITE Land Use Code 151), the proposed project is forecast to generate 214 daily weekday trips, including 14 trips in the a.m. peak hour (9 inbound and 5 outbound) and 24 trips in the p.m. peak hour (11 inbound and 13 outbound).

After taking credit for the existing trip generation on site, the proposed project is anticipated to generate 3 fewer daily trips, including a reduction of 20 trips in the a.m. peak hour (18 fewer inbound and 2 fewer outbound) and a reduction of 13 trips in the p.m. peak hour (1 fewer inbound and 12 fewer outbound). The proposed project is less intense than the existing uses, and is expected to generate fewer trips than the existing use on site. As such, a Traffic Impact Analysis should not be required.

Table A: Project Trip Generation Summary

Land Use	Size	Unit	ADT	AM Peak Hour			PM Peak Hour		
				In	Out	Total	In	Out	Total
Trip Rates									
Manufacturing		TSF	3.93	0.48	0.14	0.62	0.21	0.46	0.67
Mini-Warehouse		TSF	1.51	0.06	0.04	0.10	0.08	0.09	0.17
Existing Trip Generation									
Manufacturing	55.321	TSF	217	27	7	34	12	25	37
Project Trip Generation									
Self-Storage Facility	141.784	TSF	214	9	5	14	11	13	24
Net Trip Generation (Project - Existing)			**(3)**	**(18)**	**(2)**	**(20)**	**(1)**	**(12)**	**(13)**

[1] Trip rates referenced from the Institute of Transportation Engineers (ITE) *Trip Generation* Manual, 10th Edition (2017).
Land Use Code 140 - Manufacturing
Land Use Code 151 - Mini-Warehouse
ADT = average daily trips
TSF = thousand square feet

VEHICLE MILES TRAVELED

As a result of Senate Bill (SB) 743, the California Office of Administrative Law cleared the revised California Environmental Quality Act (CEQA) guidelines for use on December 28, 2018. Among the changes to the guidelines was the removal of vehicle delay and level of service (LOS) from consideration under CEQA. The intent of SB 743 and the revised CEQA guidelines is to promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses. With the adopted guidelines, transportation impacts are to be evaluated based on a project's effect on vehicle miles traveled (VMT).

The City of Covina (City) adopted Resolution CC 2020-56 (June 2020) regarding the VMT thresholds of significance for the purposes of analyzing transportation impacts under CEQA. These thresholds are consistent with the recommended screening criteria contained in the Governor's Office of Planning and Research (OPR) *Technical Advisory on Evaluating Transportation Impacts in CEQA* (December 2018). Consistent with the OPR Technical Advisory, the City recommends that a project generating 110 average daily trips (ADT) or less be screened out of a VMT analysis due to the presumption of a less than significant impact.

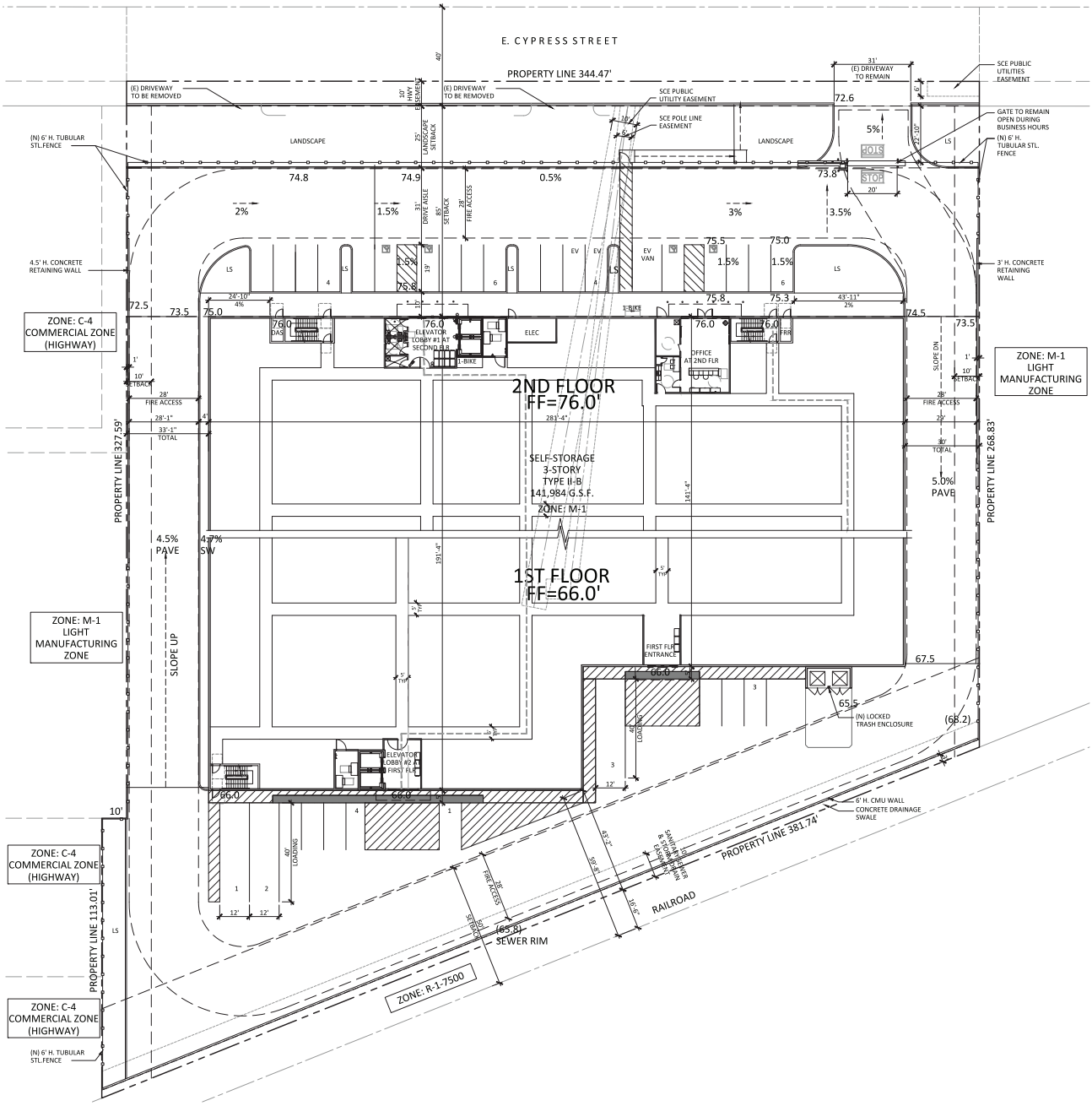
After taking credit for the existing use, the proposed project would result in 3 fewer daily trips to and from the site, which is below the OPR Technical Advisory threshold of 110 trips per day. Therefore, based on this analysis, the project is not anticipated to have a significant transportation impact.

CONCLUSION

Based on the results of this trip generation analysis, the proposed project is expected to generate fewer daily, a.m., and p.m. peak hour trips than the existing use on site. Therefore, a Traffic Impact Analysis should not be required. In addition, the proposed project is anticipated to have a less than significant transportation impact with respect to VMT.

If you have any questions, please contact me at (949) 553-0666.

Attachment: Figure 1: Site Plan



LSA

FIGURE 1

N

0 33 66

FEET

SOURCE: KSP Studio

Covina Public Storage

Site Plan

I:\PUB2103\G\Site Plan.cdr (7/28/2021)